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NPIC/R-274/64  
May 1964

PHOTOGRAPHIC INTERPRETATION REPORT

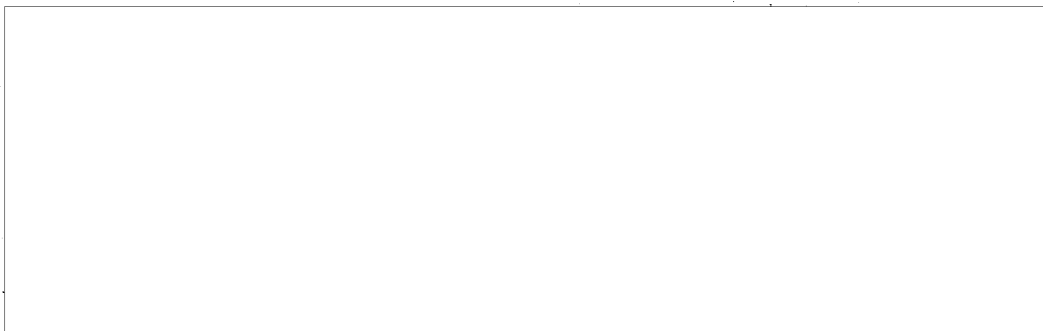
**OAK - PART II**  
**MISSION 4007**  
**24-27 APRIL 1964**



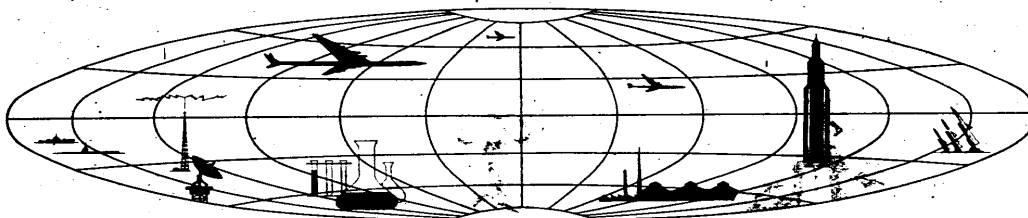
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## OAK - PART II MISSION 4007

### PREFACE

THIS IS THE SECOND OF TWO DAILY OAK REPORTS BASED ON MISSION 4007 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 0800 HOURS, 2 MAY 1964, TO 1900 HOURS, 2 MAY 1964, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. A LISTING OF SEVERAL HUNDRED TARGETS WAS USED IN COMPILING THIS REPORT, HOWEVER, ONLY THOSE WHICH COULD BE ADEQUATELY IDENTIFIED ARE LISTED IN THE INDEX.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAME AND INDEX NUMBERS ARE INDICATED BY THE LETTERS FR. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 4007 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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HIGHLIGHTS1. GELLI IRBM LAUNCH COMPLEX, USSR

PROBABLE ATTEMPTS TO DISGUISE OR CAMOUFLAGE THE GELLI  
 [ ] AND PARAUL [ ] LAUNCH SITES PROVE  
 INEFFECTIVE.

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2. KAPUSTIN YAR MISSILE TEST CENTER

LAUNCH AREAS A, B, C, D, E, AND G ARE COVERED BY EXCELLENT QUALITY  
 PHOTOGRAPHY. SS-4 OPERATIONAL EXERCISES ARE UNDERWAY ON THE  
 SOUTHERN PAD AT LAUNCH COMPLEX A AND AT LAUNCH AREA 3C. A POSSIBLE  
 TEST OPERATION IS UNDERWAY AT THE POSSIBLE SHIP MOTION SIMULATOR  
 IN LAUNCH COMPLEX B, AND A NEWLY IDENTIFIED FIELD TRAINING SITE  
 IS LOCATED SW OF COMPLEX B.

A NEWLY IDENTIFIED TRACKING STATION IS LOCATED WEST OF COMPLEX G.  
 NEW LAUNCH FACILITIES ARE UNDER CONSTRUCTION NE OF LAUNCH AREA 1C,  
 AND A PROBABLE SS-5 MISSILE ON TRANSPORTER IS LOCATED NEAR THE  
 PAD IN LAUNCH AREA 5C1.

3. LENINGRAD PROBABLE AMM COMPLEX D-25

EXCELLENT COVERAGES PROVIDES THE FIRST GOOD LOOK AT THE ELECTRONICS  
 FACILITIES ASSOCIATED WITH THE PROBABLE AMM COMPLEXES.

25X1

4. TWO SA-2 SAM SITES, ONE AT BELUSHYA GUBA AND ONE AT KURSK, AND A  
SAM SUPPORT FACILITY AT ALMA ATA ARE NEWLY IDENTIFIED (MISSILE  
BONUSES).5. THREE TALL KING RADARS HAVE BEEN NEWLY IDENTIFIED -- VANKAREM  
AIR WARNING SITE [ ], SANGAR SUSPECT TROPOSCATTER  
SITE [ ] AND KHATANGA SUSPECT TROPOSCATTER SITE  
[ ]

25X1

25X1

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25X1

6. ANGARSK AREA, SUSPECT AMM ACTIVITY

ADDITIONAL ANALYSIS REVEALS THAT THE STRUCTURE ALIGNED OVER THE  
 PARTIALLY BACK-FILLED EXCAVATION APPEARS TO BE A STEEL FRAMEWORK  
 FOR AN 800-1,000-FT-LONG BUILDING WITH A PITCHED ROOF.

7. KIEV AIRCRAFT ASSEMBLY PLANT 473

EVIDENCE NOTED OF EXPANSION OF FACILITIES.

25X1

8. CHEBSARA SENSITIVE OPERATIONS COMPLEX

THREE POSSIBLE CRUISE MISSILES AND APPROXIMATELY TWENTY 75-FT-LONG  
 RAILROAD CARS SIGHTED.

25X1

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12. NYANDOMA SENSITIVE OPERATIONS COMPLEX [REDACTED]  
THREE POSSIBLE CRUISE MISSILES AND SEVENTEEN 75-FT-LONG RAILROAD  
CARS OBSERVED.

13. LITSA BAY SUBMARINE BASE [REDACTED]  
TWO N-CLASS SSN, FOUR G-CLASS SSB, TWO E-CLASS SSGN AND ONE  
UNIDENTIFIED 330-FT SUBMARINE OBSERVED.

14. PETROPAVLOVSK-KAMCHATSKIY NAVAL B BUKHTA TARYA [REDACTED]  
ONE E-CLASS SSGN, ONE G-CLASS SSB, TWO F/Z-CLASS SS, THREE W-CLASS  
SS AND THREE UNIDENTIFIED SS SIGHTED.

STATUS OF COMOR TARGETS

A TOTAL OF 173 COMOR TARGETS WERE OBSERVED DURING THE CURRENT  
REPORTING PERIOD AND ARE COVERED IN THIS REPORT.

AIRCRAFT COUNT

IN THE USSR, 25 AIRFIELDS WITH A TOTAL OF 1,092 AIRCRAFT (INCLUDING  
162 BOMBERS AND 591 FIGHTERS) ARE REPORTED. IN THE REMAINDER OF  
THE SINO-SOVIET BLOC, 17 AIRFIELDS WITH A TOTAL OF 409 AIRCRAFT  
(41 BOMBERS AND 303 FIGHTERS) ARE REPORTED FOR A GRAND TOTAL OF  
1,501 AIRCRAFT.

SUBMARINE COUNT

A TOTAL OF 33 SUBMARINES (WITH IDENTIFICATION RANGING FROM  
POSSIBLE TO FIRM) WERE OBSERVED AT SIX LOCATIONS.

ARMOR COUNT

A TOTAL OF 200 TANKS/SP GUNS (WITH IDENTIFICATION RANGING FROM  
POSSIBLE TO FIRM) HAS BEEN OBSERVED AT NINE SOVIET MILITARY CAMPS.  
AN ADDITIONAL 25 PROBABLE TANKS, TOGETHER WITH OTHER ARMY-TYPE  
EQUIPMENT, WERE SIGHTED IN A PROBABLE PARADE FORMATION AT THE  
YEREVAN/YEGVARD AIRFIELD.

MISSILE COMPILATION

THE CURRENT NPIC LISTINGS OF ICBM, IRBM, MRBM, SAM AND AMM ARE  
TABULATED IN TABLES ONE THROUGH THREE, WHICH FOLLOW.

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Table 1. Soviet ICBM Deployment

Complex	Launch Area											Total Soft Sites	Total Hard Sites	Total Launch Positions	Last Effective Coverage
	A	B	C	D	E	F	G	H	I	J	K				
Drovyannaya	C	L	C	C	M	M						3	3	15	Mar 64
Gladkaya	C	C	E	M	E							2	3	13	Mar 64
Itatka	C	C	C									3	--	6	Feb 64
Kostroma	C	C	C	C	L	C	⊙	E (poss)				6	2 (1 poss)	18 (3 poss)	Sep 63
Kozelsk	⊙	C	E	C	⊙	M						3	3	15	Mar 64
Novosibirsk	C	C	M	C	C							--	3	9	Mar 64
Olovyanaya	C	M	M									--	2	6	Mar 64
Omsk	L	E										5	1	13	Mar 64
Perm	⊙	C	C	⊙	C	⊙						8*	1	15	Jul 63
Plesetsk	C	⊙	⊙	C	C							--	3	9	Feb 64
Shadrinsk	C	C	M									7	1	17	Feb 64
Svobodnyy	C	C	C	C	C	C	M	C				7	--	14	Sep 63
Teykovo	C	C	C	L	L	M	E					3	1 (1 poss)	9 (3 poss)	Feb 64
Tyumen	C	M	C	E (poss)								7	2	20	Mar 64
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C			6	2	18	Sep 63
Yedrovo	C	C	M	C	C	C	M	M				6	--	12	Jul 63
Yoshkar-Ola	C	C	C	C	L	L						8	3	25	Mar 64
Yura	C	C	C	C	C	C	L	C	C	C	M	11	3	24	Feb 64
Deployment Total												77	32 (2 poss)	246 (6 poss)	
Grand Total												88	35 (2 poss)	270 (6 poss)	

\*Includes Launch Points I-IV, complete  
Construction Status (C-complete, L-late, M-mid, E-early)

⊙ Sites covered by current mission

□ Newly identified sites

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3	--	2	3	8	29
Central Asia	2	3	1	4	10	36
Far Eastern	11	1	--	2	14	54
Totals	137	15	21	20	193	752

Totals do not include 12 fixed field-type sites with total of 32 clearings and one possible launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

Table 3. SAM and AMM Deployment

D	Country													Totals
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	China	North Korea	Indonesia	Egypt	Cuba	India	
SAM sites					--	--	--	--	--	--	--	--	--	15
SA-0	15	--	--	--	--	--	--	--	--	--	--	--	--	56
SA-1	56	--	--	--	--	--	--	--	--	--	--	--	--	
SA-2	656*	1	18	20	11	22	12	15	2	4	13**	24***	1	1,035
SA-3	87	--	--	--	--	--	--	--	--	--	--	--	--	87
SAM support facilities	173	1	2	4	2	3	3	--	1	--	3	6	--	201
Probable AMM complexes	3	--	--	--	--	--	--	--	--	--	--	--	--	3

\*Does not include 5 alternate sites

\*\*Does not include 4 alternate sites

\*\*\*Does not include 13 inactive and 5 abandoned sites

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MISSILES

[ ] PERM ICBM LAUNCH AREA A (SITE 1) 5741N 05613E

25X1

THIS IS A COMPLETED TYPE IIB SITE.

ONLY THE DOUBLE-SECURED LAUNCH SITE IS VISIBLE. AN ERECTOR/SHELTER IS APPARENT WITHIN A SQUARE SECURED AREA IN THE CENTER OF EACH LAUNCH PAD AND VEHICLES/EQUIPMENT ARE PARKED IN SEVERAL AREAS THROUGHOUT THE SITE.

A RECTANGULAR AREA CONSISTING OF SIX ROWS OF NINE SLIM UNIDENTIFIED VERTICAL OBJECTS IS LOCATED JUST FORWARD OF THE CONTROL BUILDING. A LARGE BUILDING BEHIND THE CONTROL BUILDING APPEARS TO BE A PROBABLE VEHICLE/EQUIPMENT SHELTER OR GARAGE.

25X1

[ ] PERM ICBM LAUNCH AREA F (SITE 4) 5741N 05604E

25X1

TYPE IIIA SITE IS STILL IN MID-STAGE OF CONSTRUCTION. SCATTERED CLOUDS PRECLUDE A STEREOSCOPIC ANALYSIS OF 50 PERCENT OF THE LAUNCH SITE, HOWEVER, IT APPEARS THAT THE CONTROL BUNKER AND TWO EQUIPMENT BUNKERS HAVE BEEN COMPLETED. A CONSTRUCTION RAMP LEADS TO EACH OF THE THREE SILO SHAFTS. WORK CONTINUES ON THE CONNECTING PASSAGEWAYS WITHIN THE EXCAVATION. THE THREE UNIDENTIFIED OBJECTS, FIRST OBSERVED IN MAR 64, ARE STILL ADJACENT TO THE EXCAVATION. SCATTERED EQUIPMENT IS VISIBLE WITHIN THE LAUNCH SITE.

SCATTERED CLOUDS PREVENT INTERPRETATION OF ALL THE SITE SUPPORT FACILITY, HOWEVER, AT LEAST 55 BUILDINGS ARE NOW IN THE ADMINISTRATION AND HOUSING SECTION, LOCATED ACROSS THE MAIN COMPLEX ROAD FROM THE LAUNCH SITE.

25X1

[ ] PERM ICBM LAUNCH AREA D (SITE 6) 5745N 05600E

25X1

THIS IS A COMPLETED TYPE IID SITE. TWO LONG, NARROW OBJECTS, PROBABLY THE ERECTOR AND ITS SHELTER, ARE ON

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THE RIGHT PAD. SCATTERED CLOUDS PRECLUDE  
INTERPRETATION OF DETAILS ON THE LEFT PAD.

ABOUT 12 BUILDINGS  
HAVE BEEN ADDED TO THE ADMINISTRATION AND HOUSING  
SECTION ADJACENT TO THE REAR OF THE LAUNCH SITE.

KOZYANY MRBM LAUNCH SITE 5520N 02651E

COMPLETED TYPE II MRBM LAUNCH AREA OBSERVED.  
FOUR ELONGATED LAUNCH PADS, THE TECHNICAL SECTION,  
AND SUPPORT AREA ARE  
VISIBLE THROUGH SCATTERED CLOUDS AND HAZE. THE  
READY BUILDINGS ARE NOT DISCERNIBLE. THE LAUNCH  
PADS APPEAR TO HAVE ERECTOR/LAUNCHERS ON THEM.  
SIX POSSIBLE TRANSPORTERS AND THREE POSSIBLE  
SMALLER VEHICLES ARE VISIBLE IN THE TECHNICAL  
SECTION.

THE SUPPORT AREA CONTAINS APPROXIMATELY 30  
BUILDINGS OF VARIOUS SIZES AND APPROXIMATELY 10  
POSSIBLE SMALL VEHICLES ARE VISIBLE.

BAYRAM-ALI IRBM LAUNCH SITE 3746N 06212E

COMPLETED TYPE III LAUNCH SITE  
CLOUDS OBSCURE A PORTION  
OF THE LAUNCH SITE. ONLY THREE PADS ARE VISIBLE  
AND AN ERECTOR IS POSITIONED ON TWO OF THE PADS.  
THE SITE IS DOUBLE-FENCED AND THREE TRUCKS ARE  
OBSERVED WITHIN THE LAUNCH SITE. NO SITE-SUPPORT  
FACILITY IS EVIDENT, HOWEVER, TWO BARRACKS-TYPE  
BUILDINGS ARE LOCATED WITHIN THE FENCED AREA.

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[REDACTED] UGOLNYY MRBM LAUNCH SITE 6446N 17758E

PADS AND ROAD NETWORK APPEAR COMPLETED. CONSTRUCTION ACTIVITY CONTINUES BETWEEN NE PAIR OF PADS AND ON-SITE SUPPORT FACILITY. PROBABLE ERECTORS ARE EVIDENT ON THE FOUR PADS AND CONSIDERABLE VEHICULAR ACTIVITY IS OBSERVED WITHIN THE LAUNCH SITE AND SITE SUPPORT AREA. AN HF COMMUNICATIONS RECEIVING SITE CONTAINING FOUR FISHBONE ARRAYS IS ASSOCIATED WITH THIS LAUNCH AREA AND IS LOCATED APPROXIMATELY ONE NM SOUTHEAST OF THE LAUNCH SITE.

[REDACTED]

[REDACTED]

[REDACTED] GELLI IRBM LAUNCH SITE 4245N 04728E

THE LAUNCH AREA APPEARS NEAR COMPLETION. CONSTRUCTION CONTINUES [REDACTED]

[REDACTED]

THE LAUNCH SITE CONTAINS THREE SILO COVERS, ALL CLOSED. THE ACCESS ROAD CONTINUES ACROSS THE SLIGHTLY MOUNDED CONTROL BUNKER AND CONNECTS WITH A SURROUNDING ROAD. FOLIAGE NOT EVIDENT ON [REDACTED] IS OBSERVED COVERING THE MOUNDED CONTROL BUNKER.

A WARHEAD STORAGE FACILITY IS UNDER CONSTRUCTION MIDWAY BETWEEN THE SITE AND THE SUPPORT AREA. AN UNIDENTIFIED DRIVE-IN BUILDING IS ADJACENT TO THE ARCHED-ROOF BUILDING. A SLIGHTLY REVETTED AREA ACROSS THE ACCESS ROAD [REDACTED] CONTAINS SIX POSSIBLE FUEL TRAILERS, ONE LARGE RECTANGULAR OBJECT AND SIX MISCELLANEOUS VEHICLES.

SEVERAL NEW BUILDINGS ARE UNDER CONSTRUCTION WITHIN THE MAIN SUPPORT AREA.

(ATTACHMENT 1)

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[REDACTED]

[REDACTED] PARAUL IRBM LAUNCH SITE 4247N 04723E

THIS COMPLETED SITE CONTAINS THREE SILOS, ALL CLOSED. AN ATTEMPT HAS BEEN MADE TO CAMOUFLAGE EACH OF THE SILO COVERS, POSSIBLY USING A NETTING AND ARTIFICIAL VEGETATION. THE ACCESS ROAD EXTENDS ACROSS THE SLIGHTLY MOUNDED CONTROL BUNKER AND CONTINUES SOUTH TO A SMALL BUILDING AREA. A MOTOR POOL LOCATED TO THE NORTH AND ACROSS THE ACCESS ROAD FROM THE SITE SUPPORT FACILITY CONTAINS AT LEAST 20 VEHICLES.

(ATTACHMENT 2)

[REDACTED]

[REDACTED] KAKASHURA IRBM LAUNCH SITE 4239N 04727E

THIS DOUBLE-FENCED, APPARENTLY COMPLETE, LAUNCH SITE IS CONSTRUCTED ON A SIDE OF A HILL, NECESSITATING CUTS IN THE HILL FOR THE TWO FORWARD SILOS AND A FILL FOR THE REAR SILO. ALL THREE SILO COVERS ARE CLOSED. ON TOP OF THE CENTRAL CONTROL BUNKER ARE THREE V-SHAPED OBJECTS AND SEVERAL POSSIBLE ANTENNAS OR VENTS. ONE LEG OF THE PLUS CONFIGURATION SCARRING LOCATED NW OF THE SITE APPEARS PARTIALLY TRENCHED.

[REDACTED] A SOLID FENCE ENCLOSING A SQUARE AREA IS VISIBLE IN FRONT OF THE ARCHED-ROOF BUILDING. TEN PROBABLE VEHICLES ARE LOCATED THROUGHOUT THE AREA. FOUR POSSIBLE MISSILE TRANSPORTERS ARE VISIBLE IN THE EAST SECTOR OF THE SITE SUPPORT AREA.

(ATTACHMENT 3)

[REDACTED]

[REDACTED] KALNIK IRBM LAUNCH SITE 4859N 02922E

CLEAR, EXCELLENT PHOTOGRAPHY REVEALS THE LAUNCH AREA IN A MID-STAGE OF CONSTRUCTION. THE FLAT-ROOFED CONTROL BUILDING IS IN THE CENTER OF THE LAUNCH

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SITE. A CONDUIT PROTRUDES FROM ITS FORWARD SIDE AND FORKS TO CONNECT WITH TWO FORWARD LAUNCH SILOS. ANOTHER CONDUIT EXTENDS FROM THE REAR OF THE CONTROL BUILDING TO THE THIRD SILO. THE OUTER CASING OF EACH OF THE THREE SILOS IS COMPLETED AND A RECTANGULAR CONCRETE SLAB SURROUNDS EACH AT GROUND LEVEL.

A NUMBER OF PROBABLE STEEL RINGS OBSERVED NEAR THE THIRD SILO MAY LATER BE PLACED IN THE SILOS TO FORM AN INNER CASING. THE GROUND HAS NOT YET BEEN BACK-FILLED AROUND THE RIGHT FORWARD SILO, THE CONTROL BUNKER OR THE THIRD REAR SILO. THE SITE-SUPPORT FACILITY IS NOT COMPLETE. SEVERAL OF THE SUPPORT BUILDINGS ARE ONLY PARTIALLY CONSTRUCTED.

(ATTACHMENT 4)

[REDACTED] KAPUSTIN YAR LAUNCH COMPLEX A 4842N 04615E

LAUNCH FACILITIES SHOW NO APPARENT CHANGE SINCE [REDACTED] AN SS-4 MISSILE EXERCISE IS UNDERWAY AT THE SOUTHERN LAUNCH PAD OF COMPLEX A. THE MISSILE IS ERECT AND BEING SERVICED. VISIBLE AT THE PAD ARE THE TRANSPORTER, ERECTOR, TWO OXIDIZER TRAILERS, ONE FUEL TRAILER, AND TWO SMALLER SUPPORT VEHICLES. NEAR THE PAD TO THE NE ARE A VAN AND TWO SMALL TRAILERS. NW OF THE PAD ARE SIX VANS IN A ROW, TWO CARGO TRUCKS AND AT LEAST TWO TRAILERS. AT LEAST SIX UNIDENTIFIED OBJECTS ARE IN THE SURROUNDING AREA. THE SOUTHERN LARGE EARTH-RAMPED STRUCTURE IS INACTIVE. THE NORTHERN EARTH-RAMPED STRUCTURE IS ACTIVE. A CRANE AND SEVERAL UNIDENTIFIED OBJECTS ARE VISIBLE AT THE TOP OF THE RAMPED STRUCTURE AND SIX TRUCKS ARE IN THE ADJACENT AREA.

HOUSING AND SUPPORT -- ONE NEW MULTISTORY STRUCTURE IS UNDER CONSTRUCTION IN THE HOUSING SECTION OF THE SUPPORT AREA. AT LEAST 35 VEHICLES ARE PARKED WITHIN THIS SECTION. THE SECURED AREA CONTAINING THE LARGE FINAL MISSILE ASSEMBLY AND CHECKOUT BUILDING IS ACTIVE AND CONTAINS AT LEAST 16 VEHICLES, INCLUDING A PROBABLE MISSILE ON A TRANSPORTER. TEN VEHICLES ARE PARKED JUST OUTSIDE THE ENTRANCE TO THIS AREA.

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THE NEARBY SAM SITE IS OCCUPIED. THE NEARBY TROOP TRAINING AREA IS OCCUPIED BY SEVERAL HUNDRED VEHICLES INCLUDING TRANSPORTERS, ERECTORS AND OTHER MISSILE SUPPORT EQUIPMENT.

PHOTOGRAPHIC REFERENCE FOR SIGNIFICANT ITEM ON 9D --  
LAUNCH COMPLEX A -- [REDACTED]

(ATTACHMENT 5)

[REDACTED] KAPUSTIN YAR LAUNCH COMPLEX B 4841N 04616E

EXCELLENT QUALITY PHOTOGRAPHY GIVES THE BEST LOOK AT COMPLEX B SINCE [REDACTED]

LAUNCH AREA B1 -- NO SIGNIFICANT CHANGE SINCE [REDACTED] TWO POSSIBLE CYLINDER-TYPE LAUNCHERS ARE ON THE NORTH PAD. ONE AT THE FORWARD END OF PAD IS INCLINED. THE OTHER, TO THE REAR AND NORTH, IS HORIZONTAL. A LARGER CYLINDER-SHAPED LAUNCHER IS ON THE SOUTH PAD.

LAUNCH AREA B2 -- NO SIGNIFICANT CHANGE IN FACILITIES [REDACTED] A POSSIBLE TEST OPERATION IS UNDERWAY AT THE POSSIBLE SHIP MOTION SIMULATOR. SEVEN VAN-TYPE TRUCKS AND 10-15 SMALLER VEHICLES/EQUIPMENT ARE ON THE PAD. THREE VANS ARE IN THE INSTRUMENTATION SITE. THE POSSIBLE SUBMARINE LAUNCH AND HANDLING SYSTEM APPEARS UNCHANGED.

LAUNCH AREA B3 -- ALTHOUGH THE NORTH PAD HAS NOT CHANGED [REDACTED] FEATURES ARE IDENTIFIED FOR THE FIRST TIME. THE LAUNCH FACILITIES APPEAR TO BE POSSIBLE SIMULATED SUBMARINE MISSILE LAUNCHERS IN TANDEM, MUCH LARGER THAN THE FACILITIES AT B2. THE LAUNCHERS ARE SERVICED BY A BRIDGE CRANE WHICH TRAVELS ON RAILS FROM IMMEDIATELY WEST OF THE MAIN SERVICE ROAD TO A POINT 500-600 FT TO THE EAST AND STRADDLING THE LAUNCHERS. EQUIPMENT/MATERIAL LIE DIRECTLY BEHIND THE LAUNCHERS.

THE SOUTH PAD IS ESSENTIALLY UNCHANGED [REDACTED]  
[REDACTED] A POSSIBLE TWIN-RAIL LAUNCHER WITH A POSSIBLE

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SINGLE MISSILE IS MOUNTED ON THE CONCRETE RAMP. AN INCLINED TWIN-RAIL LAUNCHER IS ADJACENT TO THE RAMP. THREE PROBABLE INSTRUMENTATION VANS ARE SEVERAL HUNDRED FEET FORWARD OF THE PAD.

SUPPORT AREA -- NO SIGNIFICANT CHANGE IN FACILITIES  
 TWENTY-EIGHT POSSIBLE FLATBED TRAILER-MOUNTED MISSILE CRATES ARE IN THE AREA AROUND THE MAINTENANCE, ASSEMBLY AND CHECKOUT AREA. FARTHER EAST, TOWARD THE LAUNCH AREAS, CONSIDERABLE MATERIAL IS IN OPEN STORAGE.

25X1

A NEWLY IDENTIFIED FIELD TRAINING SITE LOCATED APPROXIMATELY 3,000 FT SW OF COMPLEX B CONSISTS OF A CLEARED LAUNCH SITE WITH A ROW OF VEHICLES ON THREE SIDES.

VEHICLES -- THREE PROBABLE MISSILE TRANSPORTERS (ONE EMPTY), FOUR VANS, TWO TRUCKS, SIX VEHICLES AND A POSSIBLE ERECTOR.

UNIDENTIFIED FACILITY WEST OF LAUNCH COMPLEX B -- THIS HEAVILY SECURED UNIDENTIFIED FACILITY IS APPROXIMATELY 3 NM WEST OF LAUNCH COMPLEX B, 2.75 NM NORTH OF THE ADMINISTRATION AND HOUSING AREA AT LAUNCH COMPLEX C AND 2 NM SE OF THE PROBABLE ASSEMBLY AND CHECKOUT FACILITY. THE AREA IS ENCLOSED BY A DOUBLE SECURITY FENCE WITH SEVEN EQUALLY SPACED GUARD TOWERS AROUND THE OUTSIDE PERIMETER AND SECURITY BUILDINGS AT THE MAIN ROAD ENTRANCE. THERE ARE ALSO PORTIONS OF TWO SECURITY FENCES WITHIN THE AREA WHICH WILL PROBABLY SEPARATE INDIVIDUAL COMPONENTS. THE FACILITY IS ROAD- AND RAIL-SERVED WITH A SMALL SECURITY BUILDING AT THE POINT WHERE THE RAILS ENTER THE FACILITY. WITHIN THE FACILITY THE RAIL LINE HAS TWO SPURS, ONE SERVING A LARGE BUILDING AND ONE ENDING NEAR A PROBABLE POWER PLANT WITH A DETACHED STACK. THE LARGE RAIL-SERVED BUILDING IS SITUATED ON A LOOP OFF THE MAIN ACCESS ROAD. TWO RAMPS PROVIDE ACCESS ON THE ROAD END OF THE BUILDING WHILE THE RAIL SPUR SPLITS INTO TWO TRACKS AS IT ENTERS THE REAR OF THE BUILDING. THE LOOP ROAD CONNECTS TO ANOTHER LOOP WHICH IS ADJACENT TO A SIDING OF THE RAIL LINE WITHIN THE FACILITY AND IS PROBABLY AN OFF-LOADING POINT. THE AREA ALSO CONTAINS ONE OTHER LARGE ROAD-SERVED BUILDING, A SMALL BUILDING WITH AN ATTACHED WATER TANK OR SILO AND SEVERAL SMALL

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BUILDINGS. A POSSIBLE COMMUNICATIONS FACILITY WITH ONE LARGE AND THREE SMALL BUILDINGS AND A POSSIBLE RADIO MAST LIE ADJACENT TO THE MAIN ENTRANCE. ALSO WITHIN THE FACILITY ARE ONE SMALL AND ONE LARGE PREPARED EXCAVATION, BOTH APPEARING TO CONTAIN SOME WATER. SEVERAL VEHICLES ARE OBSERVED IN THE AREA AND ON THE ROADS NEAR THE FACILITY.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON 9D ARE AS FOLLOWS --

LAUNCH COMPLEX B -- [REDACTED]

UNIDENTIFIED FACILITY -- [REDACTED]

(ATTACHMENT 6)

[REDACTED] KAPUSTIN YAR LAUNCH COMPLEX C 4836N 04616E

LAUNCH AREA 1C -- ON THE PAD ARE TWO UNIDENTIFIED OBJECTS AND A PERMANENT ERECTOR/LAUNCHER AT THE END OF THE RAIL LINE. ONE ADDITIONAL STRUCTURE IS UNDER CONSTRUCTION SE OF THIS LAUNCH PAD. NEW LAUNCH POSITIONS ARE UNDER CONSTRUCTION NORTH AND NE OF THE PAD. A TRENCH EXTENDING APPROXIMATELY 250 FT NORTH FROM THE EARTH-MOUNDED CONTROL BUNKER AT PAD 1C ENDS IN AN EXCAVATION. A CONDUIT IS IN PLACE ALONG A PORTION OF THIS TRENCH. WITHIN AND ADJACENT TO THIS EXCAVATION ARE SEVERAL SMALL OBJECTS AND A PROBABLE EQUIPMENT BUNKER. ANOTHER SIMILAR TRENCH EXTENDS GENERALLY NE FROM THE MOUNDED CONTROL BUNKER TO ANOTHER EXCAVATION IN AN EARLIER STAGE OF CONSTRUCTION. SITUATED HALF WAY BETWEEN THESE EXCAVATIONS, WHOSE LONG AXES ARE PARALLEL, IS A PROBABLE CONTROL BUILDING UNDER CONSTRUCTION. AN IMAGINARY LINE JOINING THE TWO EXCAVATIONS AND EXTENDED TO THE EAST WOULD PASS THROUGH THE 10-50 NM IMPACT AREA AT SARY SHAGAN.

THE HEXAGONAL APRON NEAR THE CHECKOUT BUILDING HAS A LONG STRUCTURE SITUATED IN ITS CENTER AS REPORTED [REDACTED] RATHER THAN AS PREVIOUSLY REPORTED SEVERAL SMALL VEHICLES ARE IN AND AROUND THIS LAUNCH FACILITY.

LAUNCH AREA 2C -- A LARGE POSSIBLE CONTROL BUNKER IS LOCATED APPROXIMATELY MIDWAY BETWEEN LAUNCH PADS 2C-1 AND 2C-2. SEVERAL UNIDENTIFIED BUILDINGS ARE

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OBSERVED IN THE LAUNCH AREA. THREE UNIDENTIFIED VEHICLES ARE OBSERVED ON PAD 2C-1 AND SEVERAL ADDITIONAL UNIDENTIFIED VEHICLES ARE PRESENT WITHIN THE FENCED LAUNCH AREA.

LAUNCH AREA 3C -- AN SS4 EXERCISE IS TAKING PLACE ON THE MAIN LAUNCH PAD. AN SS4 MISSILE ON A TRANSPORTER IS VISIBLE WITH TWO ACCOMPANYING OXIDIZER TRAILERS, A FUEL TRAILER, AN ERECTOR, A PRIME MOVER, AND APPROXIMATELY 15 OTHER VEHICLES. APPROXIMATELY 20 VEHICLES ARE VISIBLE ON THE SE PAD AND THREE ERECTED MOCKUP MISSILES ARE VISIBLE SE OF THE CHECKOUT AREA. NO APPARENT CHANGE IN FACILITIES.

LAUNCH AREA 4C1 -- A HARD MRBM LAUNCH SITE. SOME ACTIVITY IS NOTED WITHIN THE SITE. A DOME-TOPPED SILO COVER IS ASSOCIATED WITH EACH OF THE FOUR SILOS. THE TWO REAR SILO COVERS ARE CLOSED. A PROBABLE EMPTY MISSILE TRANSPORTER IS PARKED ALONGSIDE THE EASTERN ONE. ADJACENT TO THE NORTH SIDE OF THE WESTERN SILO COVER IS AN UNIDENTIFIED TRAILER. THE FORWARD OR NORTHERN SILO COVERS ARE BOTH OPEN. THE NORTHEASTERN SILO MAY BE UNDERGOING REPAIR OR MAINTENANCE. A TALL ENCLOSED STRUCTURE IS POSITIONED DIRECTLY OVER THE SILO AND ITS ASSOCIATED COVER HAS BEEN SLID AN ABNORMAL DISTANCE TO THE NORTH. A CRANE IS POSITIONED NEAR THE OPEN NORTHWESTERN SILO. SEVERAL ADDITIONAL VEHICLES OR PIECES OF EQUIPMENT ARE OBSERVED WITHIN THE SITE AREA. A PROBABLE MISSILE TRANSPORTER IS PARKED IN A WIDENING OF THE ACCESS ROAD JUST SOUTH OF THE SITE.

AREA 4C2 -- THIS HARD IRBM LAUNCH SITE CONTAINS THREE SILOS. ONLY THE WESTERN FORWARD SILO COVER IS OPEN AND AN UNIDENTIFIED TRAILER IS BACKED UP TO THE SILO OPENING. A SIMILAR TRAILER IS POSITIONED SOUTH OF THE NORTHERN SILO. CONSIDERABLE VEHICULAR ACTIVITY IS OBSERVED WITHIN THE SITE WITH APPROXIMATELY 15 VEHICLES. THREE TRUCKS ARE PARKED ALONG THE ACCESS ROAD JUST NORTH OF THE SITE. IN THE BARRACKS AREA ASSOCIATED WITH AREA 4C, SEVEN BARRACKS-TYPE BUILDINGS HAVE BEEN REMOVED. NO VEHICLES OR ACTIVITY ARE DISCERNIBLE WITHIN THE BARRACKS AREA.

LAUNCH AREA 5C-1 -- ACTIVITY IS EVIDENT ON BOTH OF THE ELONGATED LAUNCH PADS. ON THE NORTHERN PAD

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25X1

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ARE TWO UNIDENTIFIED VEHICLES AND TWO POSSIBLE MISSILES MOUNTED ON AN UNIDENTIFIED CARRIER. THREE VEHICLES OR VANS ARE PARKED ALONGSIDE THE PAD. ON THE SOUTHERN PAD ARE PARKED A PROBABLE SS-5 MISSILE AND TWO UNIDENTIFIED VEHICLES. ONE EMPTY AND ONE LOADED PROBABLE SS-5 MISSILE TRANSPORTER ARE ON THE LOOP ROAD SERVING THE PADS. ONE POSSIBLE SS-5 FUEL TRANSPORTER AND SIX VEHICLES ARE OBSERVED IN TWO PARKING APRONS AND ON THE LOOP ROAD.

AREA 5C2 -- NONE OF THE BUILDINGS ARE COMPLETE AND THE PADS APPEAR TO REQUIRE ADDITIONAL WORK. NO VEHICLES ARE APPARENT WITHIN THE SITE.

ADMINISTRATION, HOUSING, AND SERVICE AREAS -- (NORTHERN AREA) UNCHANGED [REDACTED] SEVERAL VEHICLES ARE OBSERVED IN THE AREA AND SEVERAL BUILDINGS ARE UNDER CONSTRUCTION IN THE SOUTHERN SECTION.

25X1

(SOUTHERN AREA) THIS AREA HAS BEEN ENLARGED SINCE [REDACTED] TWO BUILDINGS ARE UNDER CONSTRUCTION IN THE SOUTHERN SECTION. THE NORTHERN SECTION CONTAINS A MOTOR POOL, NEW [REDACTED] CONTAINING NUMEROUS VEHICLES AND EQUIPMENT, SIX LARGE BUILDINGS, AND SEVERAL CONCRETE HARDSTANDS. ADJACENT TO THIS MOTOR POOL IS A PROBABLE FUEL STORAGE AREA CONTAINING FIVE PROBABLE MOUNDED FUEL TANKS. AT LEAST FIVE ADDITIONAL BUILDINGS AND A TALL STACK HAVE ALSO BEEN ADDED [REDACTED] EIGHT RAIL CARS ARE MOVING INTO THIS AREA ON THE RAIL SPUR THAT ENTERS FROM THE EAST. NORTHEAST OF THE MOTOR POOL AND ADJACENT TO THE MAIN RAIL LINE IS A LARGE STORAGE AREA CONTAINING NUMEROUS PIECES OF EQUIPMENT. THE MAIN RAIL LINE CONTAINS NUMEROUS RAIL CARS INCLUDING TWO UNUSUALLY LONG FLAT CARS CARRYING LONG CYLINDRICAL OBJECTS.

25X1

25X1

25X1

FINAL ASSEMBLY AND CHECKOUT FACILITY -- NO APPARENT CHANGE IN FACILITIES [REDACTED] AREA CONTAINS SEVERAL UNUSUALLY LONG FLAT CARS WITH LONG CYLINDRICAL OBJECTS. SEVERAL UNIDENTIFIED VEHICLES ARE PRESENT WITHIN THE FENCED AREA AND ON THE HARDSTAND OPPOSITE ONE OF THE ENTRANCE GATES.

25X1

SSM BIVOUAC AREA -- THE AREA HAS BEEN ENLARGED [REDACTED] AND IS VERY ACTIVE. TRAINING

25X1

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EXERCISES ARE IN PROGRESS AT VARIOUS LOCATIONS. ACTIVITIES INCLUDE VEHICLES, MISSILES/MOCK-UP MISSILES, AND A CHECKOUT TENT. A CONCRETE PAD AND APPROACH ROAD FOR TRAINING ARE LOCATED IN THE WESTERN SECTION. AT LEAST 23 BUILDINGS HAVE BEEN ADDED [REDACTED] AND SEVERAL MORE ARE UNDER CONSTRUCTION. A MOTOR POOL AREA HAS BEEN ADDED IN THE NW SECTION AND CONTAINS APPROXIMATELY 35 VEHICLES. SEVERAL LARGE AND SMALL TENTS ARE ALSO LOCATED IN THE SOUTHERN SECTION OF THIS AREA.

25X1

RANGEHEAD INTERFEROMETER SITE --  
NO APPARENT CHANGE [REDACTED]  
APPROXIMATELY 20 VEHICLES PRESENT WITHIN THE AREA.

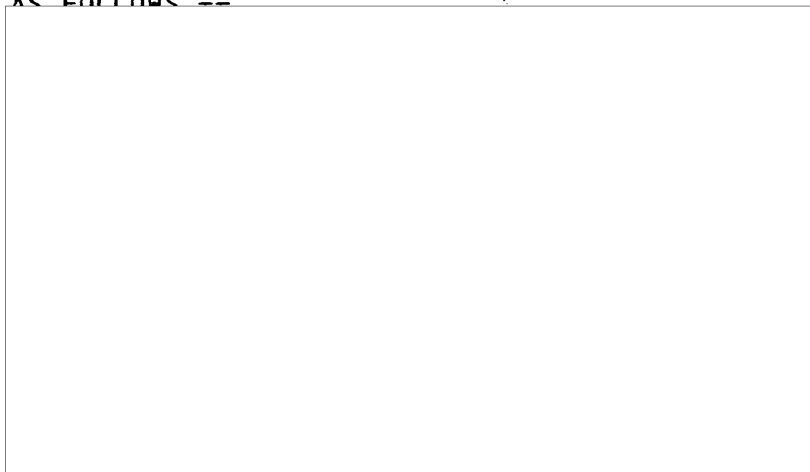
25X1

PROBABLE ASSEMBLY AND CHECKOUT FACILITY --  
NO APPARENT CHANGE SINCE [REDACTED]

25X1

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ARE AS FOLLOWS --

25X1



[REDACTED] KAPUSTIN YAR LAUNCH COMPLEX D 4828N 04618E

25X1

CHANGES AT THE LAUNCH AREAS AS OBSERVED ON THIS MISSION ARE AS FOLLOWS --  
D1 -- A NEWLY IDENTIFIED BUILDING AT LAUNCH AREA D1 AND TWO NEW SMALL BUILDINGS IN THE SUPPORT AREA.  
D2 -- TEN VEHICLES OBSERVED.

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D3 -- A NEWLY IDENTIFIED SMALL BUILDING AND POSSIBLE BUNKER OR BURIED TANK IN THE SUPPORT AREA.  
 D4 -- FOOTINGS FOR A BUILDING ARE PRESENT IN THE EXCAVATION ON THE NORTH EDGE OF THE PAD. THIS AREA HAS APPARENTLY NEVER BEEN FINISHED.  
 NO OPERATIONAL ACTIVITY WAS OBSERVED AT ANY OF THE AREAS.

LAUNCH COMPLEX D FINAL ASSEMBLY AND CHECKOUT AREA, APPROXIMATELY 8 NM SSW OF LAUNCH AREA D1 AND CONNECTED TO IT BY RAIL, SHOWS NO APPARENT CHANGE IN FACILITIES [REDACTED] AT LEAST 25 VEHICLES ARE PARKED WITHIN THE AREA.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ARE AS FOLLOWS---

LAUNCH COMPLEX D -- [REDACTED]  
 FINAL ASSEMBLY AND CHECKOUT AREA [REDACTED]  
 [REDACTED]

[REDACTED] KAPUSTIN YAR LAUNCH COMPLEX E 4846N 04618E

NO APPARENT CHANGE IN FACILITIES [REDACTED]

TWO SMALL UNIDENTIFIED OBJECTS ARE LOCATED ON THE APRON TO THE NORTH OF THE PAD. SEVERAL UNIDENTIFIED VEHICLES ARE PRESENT WITHIN THE FENCED AREA.

[REDACTED] KAPUSTIN YAR LAUNCH COMPLEX G 4822N 04617E

LAUNCH AREA G2 AND THE HOUSING AND SUPPORT AREA SHOW NO APPARENT CHANGE SINCE MISSION 1002-1. AN SA-2 SITE IMMEDIATELY SSW OF THE HOUSING AND SUPPORT AREA IS OCCUPIED.

A NEWLY-IDENTIFIED TRACKING STATION IS LOCATED NW OF COMPLEX G AT 48-25N 046-14E. FIRST UNDER CONSTRUCTION [REDACTED] IT CONSISTS OF A LARGE DOUBLE-SECURED AREA CONTAINING THREE RADAR MOUNDS, EACH WITH A CONCRETE PAD. THE TWO ORIENTED SE ARE OCCUPIED. THE WESTERN MOUND IS OCCUPIED BY A PROBABLE BAR LOCK, THE EASTERN MOUND BY A SINGLE DISH-TYPE RADAR. APRONS ADJACENT TO EACH

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MOUND ARE OCCUPIED BY VANS. THE THIRD MOUND, SOUTH OF THE EASTERN MOUND, IS UNOCCUPIED, HOWEVER, ANOTHER PROBABLE BAR LOCK IS ON AN ADJACENT APRON. IF PAIRED WITH THE EASTERN MOUND THE TWO WOULD ORIENT DOWNRANGE FOR COMPLEX C. A CENTRAL, PROBABLE CONTROL AREA IS OCCUPIED BY FOUR TRUCK VANS AND FIVE SMALL PIECES OF MOBILE EQUIPMENT.

A PROBABLE TRACKING STATION IS LOCATED WEST OF COMPLEX G AT 48-24N 046-14E. THIS DOUBLE SECURED AREA CONTAINS SIX RADAR MOUNDS, A PROBABLE CONTROL BUILDING, A POSSIBLE STORAGE SHED AND TWO UNIDENTIFIED STRUCTURES. THIS AREA WAS FIRST OBSERVED UNDER CONSTRUCTION [REDACTED] NO ACTIVITY WAS OBSERVED WITHIN THE AREA [REDACTED]

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ARE AS FOLLOWS  
 LAUNCH AREA G [REDACTED]  
 TRACKING SITE [REDACTED]  
 PROBABLE TRACKING SITE -- [REDACTED]

MIC0001L KAPUSTIN YAR MISSILE STORAGE 4820N 04613E

NO APPARENT CHANGE [REDACTED] THE SA-2 SITE IMMEDIATELY SOUTH OF THE AREA IS NOT OCCUPIED.

MIC0003Q SARY-SHAGAN INSTRUMENTATION SITE 8 4655N 07050E

NO SIGNIFICANT CHANGES IN FACILITIES SINCE [REDACTED]

MIC0003B SARY-SHAGAN AMM LAUNCH COMPLEX B 4559N 07233E

ONLY THE SUPPORT AREA, SAM SITE 827-2, THE AIRSTRIP AND INSTRUMENTATION SITE B ARE COVERED. NO SIGNIFICANT CHANGE IS NOTED IN THESE FACILITIES [REDACTED] THE SA-2 LAUNCH SITE IS

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ACTIVE WITH TWO MISSILE TRANSPORTERS OBSERVED  
(ONE IN A MISSILE HOLD REVETMENT AND ONE ON THE  
SITE ROAD) AND AT LEAST THREE PROBABLE MISSILES  
ON LAUNCHERS.

[REDACTED]  
[REDACTED] SARY-SHAGAN LAUNCH COMPLEX A 4623N 07252E

LAUNCH SITES 1 THROUGH 4, ELECTRONICS SITE B, PORTIONS  
OF LAUNCH SITES 5 AND 6, AND ELECTRONIC SITE C  
ARE VISIBLE THROUGH SCATTERED CLOUDS AND HEAVY HAZE.

NO SIGNIFICANT CHANGE IS NOTED IN FACILITIES VISIBLE  
[REDACTED] THE TWO UNIDENTIFIED OBJECTS,  
APPROXIMATELY 50 BY 20 FT, REMAIN AT LAUNCH SITE.  
THE STATUS OF NEW ROAD CONSTRUCTION IS UNDETERMINED  
BECAUSE OF HAZE. RELATIVELY NEW CONSTRUCTION AT  
THE CENTRAL FACILITY AND AT THE NE EXTREMITY AT  
ELECTRONICS SITE C IS CLOUD COVERED. WHAT APPEARS  
TO BE A LONG SLENDER OBJECT, APPARENTLY POSITIONED  
ON THE GROUND, EXTENDS OUT FROM THE NORTHERN LAUNCH  
POINT AT LAUNCH SITE 6.

[REDACTED]  
[REDACTED] UKA (KAMCHATKA PEN) HEN EGG 5756N 16201E

THIS FACILITY CONTAINS FOUR TRACKING ANTENNAS  
AND A TALL CALIBRATION TOWER.

NO CHANGE IS DETECTIBLE ON THE INTERFEROMETER WHICH  
IS BARELY DISCERNIBLE UNDER THE SNOW.

THE HEN EGG IS UNDER AN ENVIRONMENTAL DOME  
APPROXIMATELY 110 FT IN DIAMETER. THE DOME HAS  
THE SHAPE OF A LARGE SPHEROID AND IS ON A ROUND  
PEDESTAL SLIGHTLY OFF THE GROUND. THE THIRD  
ANTENNA IS A DOME, ABOUT 20 FT IN DIAMETER, ALSO  
ON A PEDESTAL A FEW FEET OFF THE GROUND. THE  
FOURTH ANTENNA IS A CURVED RECTANGULAR ANTENNA  
(COSECANT SQUARE) ABOUT 25 FT WIDE AND 40 FT HIGH.  
ONE LATTICE MAST ANTENNA OF MODERATE HEIGHT IS  
ALSO OBSERVED BUT APPARENTLY IS NOT OF THE  
TRACKING TYPE.

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[REDACTED]  
[REDACTED] BAYKONUR FIELD LAUNCH POINT 4713N 06518E

LAUNCH POINT AND ASSOCIATED SUPPORT AREA CLOUD COVERED.  
NO ACTIVITY OBSERVED AT GRADED-EARTH LANDING STRIP.

[REDACTED]  
[REDACTED] DNEPROPETROVSK MISSILE DEVELOP PROD CENTER 4826N 03459E

NORTH PRODUCTION UNIT SHOWS NO CHANGE SINCE [REDACTED] ADDITIONAL DETAILS ARE VISIBLE, INCLUDING THE HIGH-BAY SECTION OF BUILDING 18. SOUTH PRODUCTION UNIT SHOWS CONTINUED CONSTRUCTION ON NEW BUILDING 2 IN CENTER OF AREA. EXCAVATION NEAR BUILDING 1 SUGGESTS NEW CONSTRUCTION STARTING IN THAT AREA.

IN TEST AREA, FOUNDATIONS OF A NEW BUILDING ARE VISIBLE EAST OF BUILDING 20. ADDITIONAL DETAILS OF THE TEST STANDS ARE VISIBLE. A NEW RAIL SPUR IS BEING CONSTRUCTED INTO THE RECENTLY ENLARGED SECTION OF THE TEST AREA.

BUILDING NUMBERS BASED ON NPIC/R-250/64, APR 64.

[REDACTED]  
[REDACTED] OMSK STATIC TEST FACILITY 5527N 07322E

CONSTRUCTION ON NEW TEST STAND IS APPARENTLY PROCEEDING. NORTH SECTION OF THE TEST STAND APPEARS TO BE SLIGHTLY HIGHER THAN THE SOUTH SECTION. A POSSIBLE BRIDGE ABUTMENT APPEARS UNDER CONSTRUCTION WEST OF THE NEW TEST STAND. A LARGE AMOUNT OF BUILDING MATERIAL AND BOXES ARE STACKED SOUTH OF THIS STAND. NO ACTIVITY IS DETECTED AT THE COMPLETED TEST STAND.

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[REDACTED] SARATOV AIRFRAME PLANT 292 5130N 04557E

NO SIGNIFICANT CHANGES EVIDENT IN MAJOR BUILDINGS.

FOUNDATIONS FOR A LARGE BUILDING OR BUILDINGS  
IN THE SE SECTION OF THE PLANT APPEAR TO BE IN  
EARLY STAGES OF CONSTRUCTION.

THE SUPPLY OF LUMBER FOR CRATES OR SHIPPING BOXES  
IN THE SOUTH PART OF THE PLANT APPEARS LARGE.

[REDACTED]  
[REDACTED] KOMSOMOLSK SHIPYARD AMUR 199 5033N 13702E

NO MAJOR NAVAL VESSELS OR EVIDENCE OF NUCLEAR  
CONSTRUCTION OBSERVED.  
NO SIGNIFICANT EXPANSION OF FACILITY SINCE  
[REDACTED] HARBOR ICE IS BREAKING UP BUT WET  
DOCK IS STILL DRY.

VESSELS -- ONE RIVER STEAMER IN FRONT OF LARGE  
ASSEMBLY BUILDING AND A FLOATING DOCK/TRANSPORTER AND  
SIX BARGES (THREE SELF-PROPELLED) IN HARBOR.

[REDACTED]  
[REDACTED] LITSA BAY SUBMARINE BASE 6926N 03224E

NO CHANGE IN FACILITIES, SUBMARINE PENS, [REDACTED]  
[REDACTED] NOTED.

VESSELS -- TWO N-CLASS SSN, FOUR G-CLASS SSB, TWO  
E-CLASS SSGN, ONE UNIDENTIFIED 330-FT SUBMARINE,  
ONE DON-CLASS AS, ONE ATREK-CLASS ASL, ONE SKORYY-  
CLASS DD, AND ASSOCIATED SMALL AUXILIARIES.

(ATTACHMENT 11)

[REDACTED]  
[REDACTED] PETROPAVLOVSK-KAMCHATSKIY NAV B BUKHTA TARYA 5255N 15830E

NO APPARENT CHANGE IN FACILITIES [REDACTED]



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VESSELS -- ONE E-CLASS SSGN, ONE G-CLASS SSB, TWO F/Z-CLASS SS, THREE W-CLASS SS, THREE UNIDENTIFIED SS, ONE 400-FT SUB TENDER, ONE 350-FT BARRACKS SHIP, ONE 260-FT ASL, ONE 290-FT ICE BREAKER, TWO UNIDENTIFIED AUXILIARIES, AND MISCELLANEOUS SMALL CRAFT.

[REDACTED]  
[REDACTED] PETROPAVLOVSK-KAMCHATSKIY NAVAL MISSILE STOR 5256N 15823E  
[REDACTED]

[REDACTED] PETROPAVLOVSK-KAMCHATSKIY NAVAL MISSILE SPT 5257N 15825E

VESSELS -- TWO SMALL AUXILIARIES AND THREE SMALL CRAFT.

BERTHING FACILITIES CONSIST OF TWO FINGER PIERS ESTIMATED AT 500 X 30 FT AND 150 X 20 FT, ONE MARGINAL WHARF ESTIMATED AT 240 X 60 FT, AND ONE FLOATING CRANE WITH PONTOON ESTIMATED AT 60 X 30 FT.

[REDACTED]  
[REDACTED] SEVASTOPOL PROBABLE NAVAL MISSILE STORAGE FAC 4436N 03340E

AREA A -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED] AT LEAST 25 RECTANGULAR OBJECTS, INCLUDING TWO PROBABLE PRIME MOVERS AND TRAILERS AND 10 PROBABLE VEHICLES, OBSERVED.

AREAS B, D, AND E -- NO APPARENT CHANGE IN FACILITIES  
[REDACTED]

AREA C -- FACILITIES INCLUDE FOUR SMALL BUILDINGS ON KNOLL AND UNDERGROUND ENTRANCE AT BASE OF KNOLL. NO FENCING OBSERVED. THE AREA IS CONNECTED TO REST OF DEPOT BY ALL-WEATHER ROADS WITH WIDE TURNS. NW OF KNOLL ARE THREE ISOLATED BUILDINGS OFF ROADS WITH WIDE TURNS AT JUNCTIONS. TWO OF THE BUILDINGS ARE STORAGE TYPE BUILT ON APRONS CUT INTO HILLSIDE.

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[REDACTED]  
AREA LETTERS BASED ON NPIC/R-98/63.

[REDACTED]  
[REDACTED] DUNAY PROBABLE NAVAL MISSILE STORAGE 4256N 13220E

NORTH BUILDING GROUP -- SIX OF SEVEN DISPERSED BUILDINGS ARE BUNKERED. FIFTY RECTANGULAR OBJECTS, POSSIBLY BOXES/HORIZONTAL TANKS OBSERVED.

CENTRAL BUILDING GROUP -- FIVE DRIVE-THROUGH BUILDINGS IN ECHELON ARE BUNKERED AND AREA IS FENCED. ADJACENT TO BUNKERED BUILDINGS ARE EIGHT BOXES/VAN TRAILERS APPROXIMATELY [REDACTED] 35 BOXES/VAN TRAILERS APPROXIMATELY [REDACTED] AT LEAST 50 TRACTOR TRAILERS (WITH VANS APPROXIMATELY [REDACTED] AT LEAST 20 SMALLER VEHICLES, AT LEAST 50 BOXES/VANS (APPROXIMATELY [REDACTED] INCLUDING 30 IN SPACE BETWEEN INNER AND OUTER FENCES, AND NUMEROUS SMALLER RECTANGULAR OBJECTS LOCATED IN OTHER AREAS.

SOUTH BUILDING GROUP -- AT LEAST 20 VEHICLES AND 10 BOXES/VANS (APPROXIMATELY 40 BY 80 FT) OBSERVED.

INSTALLATION UNDER CONSTRUCTION IN RAVINE TO EAST CONSISTS OF 10 BUILDINGS. FIVE OF THE BUILDINGS ARE ON APRONS CUT INTO HILLSIDE.

NO NEW NUCLEAR WEAPONS STORAGE OBSERVED WITHIN 25-NM SEARCH AREA.

[REDACTED]  
[REDACTED] LENINGRAD PROB AMM COMPLEX D-25 5943N 02918E

NO MISSILES OR MISSILE SUPPORT EQUIPMENT ARE IDENTIFIED. SIGNIFICANT FEATURES OBSERVED AT THE LAUNCH SITES INCLUDE FIVE BAYS IN EACH OF THE CURVED BUILDINGS, FIVE LINES OF DEMARCATION ON THE PERIMETER ROADS OPPOSITE EACH BUILDING, CABLE LINES EXTENDING FROM A FACILITY AT THE LAUNCH SITE CENTERS TO THE APEX OF SEVERAL OF THE TRIANGULAR REVETTED

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POSITIONS, TWO-TONED COLORATION OF THE TRIANGULAR POSITIONS, UNIDENTIFIED OBJECTS AT THE APEX OF EACH POSITION, AND THE EARTH COVERING OF EACH LAUNCH SITE CONTROL BUILDING.

THE PROBABLE COMPLEX CONTROL CENTER IS EARTH COVERED WITH APPARENT ENTRANCES ON THE SOUTH AND EAST SIDES. THE ASSOCIATED ELECTRONIC FACILITIES NW AND SE OF THE CENTER APPEAR AS ELEVATED CIRCULAR PLATFORMS WITH CENTRALLY LOCATED UPRIGHT TUBULAR PROBABLE RADAR SUPPORTS.

A THIRD ELECTRONICS FACILITY LOCATED TO THE REAR OF THE PROBABLE COMPLEX CONTROL CENTER CONSISTS OF ANOTHER UPRIGHT TUBULAR STRUCTURE ENCLOSED ON THREE SIDES BY A WALL. PROBABLE CABLE LINES LEAD FROM THE PROBABLE CONTROL CENTER TO EACH OF THE ELECTRONICS FACILITIES.

AT LEAST 10 POSSIBLE VEHICLES/EQUIPMENT ARE LOCATED IN A CLEARING JUST WEST OF THE SUPPORT AREA. NUMEROUS OBJECTS OR POSSIBLE VEHICLES ARE OBSERVED ON THE LAUNCH SITE PERIMETER ROADS BETWEEN THE LINES OF DEMARCATION AND NEAR THE CURVED BUILDINGS.

(ATTACHMENT 12)

[REDACTED]

25X1

[REDACTED]

ANTIPINSKOYE SAM ACTIVITY 5254N 11332E

25X1

THE SOUTHERNMOST CLEARED AREA REMAINS UNUSED. THE NORTHERNMOST CLEARED AREA ALSO APPEARS TO BE VACANT. THE CENTER CLEARING STILL CONTAINS TWO SURFACE-TO-AIR-TYPE SITES. BOTH SITES ARE ACTIVE ALTHOUGH MOST OF THE ROADS WITHIN THE SITES HAVE NOT BEEN CLEARED OF SNOW. THE PROBABLE GUIDANCE RADAR AND TWO ROWS OF EQUIPMENT, PROBABLY VANS, ARE PRESENT IN THE CENTER OF EACH SITE. EACH ROW APPEARS TO CONTAIN APPROXIMATELY FOUR VANS. AT LEAST SOME OF THE LAUNCH POSITIONS ARE OCCUPIED BY PROBABLE LAUNCHERS. AT LEAST THREE TYPES OF UNIDENTIFIED VEHICLES ARE LOCATED BEHIND EACH SITE. ONE TYPE IS QUITE NARROW AND [REDACTED] ANOTHER TYPE, POSSIBLY VANS OR TRACKED PRIME MOVERS,

25X1

25X1

[REDACTED]

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THE SMALL CLEARING AT THE SHARP BEND IN THE ACCESS ROAD STILL APPEARS TO HAVE ONLY ONE PERMANENT BUILDING, WITH PROBABLE VEHICLES PARKED AROUND IT.

NEAR THE SUPPORT AREA, THE MOTOR POOL ON THE SOUTH BANK OF THE RIVER IS HAZE COVERED, BUT ROWS OF VEHICLES ARE VISIBLE. THE ACTIVITY ON THE SOUTH SIDE OF THE MAIN ROAD IS CLOUD COVERED. THE SUPPORT AREA ITSELF IS VISIBLE AND ACTIVE. SNOW HAS BEEN CLEARED FROM ROADS AND PATHS AND A MOTOR POOL WITHIN THIS AREA IS CLEARED AND CONTAINS VEHICLES. THE TOWER LOCATED AT THE NORTHERN END OF THE SUPPORT AREA APPEARS TO BE OF A SQUARE CONFIGURATION RATHER THAN JUST A SIMPLE MAST.

LENINGRAD PROBABLE ELECTRONICS SITE SW 5944N 02934E

A SECURED AREA CONTAINS A VERY LARGE SQUARE U-SHAPED BUILDING, TWO LARGE INDUSTRIAL BUILDINGS, AND AT LEAST FIVE SQUARE MASONRY TOWERS WITH SQUARE PLATFORMS ON TOP OF THE TOWERS FOR THE RADAR ANTENNAS. ANTENNAS CANNOT BE IDENTIFIED DUE TO SHADOWS. SUPPORT FOR THE SITE IS FROM A SAM SITE SUPPORT FACILITY IN THE AREA.

MOSCOW SAM SITE E15-1 5509N 03822E

CLOUDS AND CLOUD SHADOW PRECLUDE DETAILED INTERPRETATION. THE LARGE RECTANGULAR BUILDING IN THE TRIAD IS VISIBLE BUT THE SMALLER STRUCTURE UNDER CONSTRUCTION BEHIND IT CAN NOT BE INTERPRETED. ONE OF THE SMALLER BUILDINGS IN THE TRIAD IS VISIBLE ON STEREOGRAPHIC COVERAGE. NO SIGNIFICANT CHANGES ARE DISCERNIBLE.

PORTIONS OF THE SUPPORT AREA ARE VISIBLE BUT NO SIGNIFICANT CHANGES ARE DISCERNIBLE.

TOP SECRET CHESS RUFF

**TOP SECRET CHESS RUFF**

NPIC/R-274/64

[REDACTED] ANGARSK AREA, SUSPECT AMM ACTIVITY 5253N 10315E

25X1

AN EXPANDED DESCRIPTION OF THE STRUCTURE NORTH OF THE CONTROL BUILDING, REPORTED IN OAK I, FOLLOWS -- THE STRUCTURE ALIGNED OVER THE PARTIALLY BACK-FILLED EXCAVATION APPEARS TO BE A STEEL FRAMEWORK FOR AN 800-1,000 FT LONG BUILDING WITH A PITCHED ROOF. A SMALL PORTION OF THE ROOF ADJACENT TO THE CONTROL BUILDING HAS BEEN COVERED WITH SHEATHING OR OTHER ROOFING MATERIAL. FOOTINGS ALSO HAVE BEEN CONSTRUCTED FOR THE SOUTH BUILDING.

25X1

[REDACTED] AKHTUBINSK SAM SITE A04A-2 4824N 04615E

25X1

ONLY A FAINT CIRCULAR ROAD AND NO EQUIPMENT OBSERVED. SITE APPEARS TO HAVE BEEN UNUSED FOR A LONG TIME.

25X1

4 BONUS 1. BELUSHYA GUBA SAM SITE 7133N 05231E

NEWLY IDENTIFIED CONFIRMED COMPLETED SA-2 SAM SITE 3.8 NM NE OF BELUSHYA GUBA NAVAL BASE AT 71-33-40N 052-31-00E.

INNER SERVICE ROAD CONFIGURATION CANNOT BE DETERMINED. SITE APPEARS OCCUPIED AND OPERATIONAL.

25X1

BONUS 2. KURSK SAM SITE 5155N 03628E

NEWLY IDENTIFIED COMPLETED LINK CONFIGURATION SA-2 SAM SITE 16 NM NE OF KURSK AT 51-55-20N 036-28-30E.

SIX OCCUPIED LAUNCH POSITIONS HAVE TWO MISSILES ON LAUNCHERS. EIGHT VANS AND FAN SONG ARE VISIBLE IN CENTRAL GUIDANCE AREA.

25X1

TOP SECRET CHESS RUFF

NPIC/R-274/64

BONUS 3. ALMA ATA SAM SUPPORT FACILITY 4322N 07654E

NEWLY IDENTIFIED CONFIRMED COMPLETED SAM SUPPORT  
FACILITY 7 NM NORTH OF ALMA ATA AT 43-22-20N  
076-54-30E.



25X1

TOP SECRET CHESS RUFF

**TOP SECRET CHESS RUFF**

NPIC/R-274/64

**AIR FACILITIES**

[ ] **BORZYA AIRFIELD NORTHWEST 5024N 11623E**

**AIRCRAFT -- NINE BADGER AT INTERSECTION OF RUNWAYS.**

**NO NEW CONSTRUCTION, SUSPECT ASM ACTIVITY OR  
NUCLEAR STORAGE FACILITIES OBSERVED.**

[ ] **MYS SHMIDTA AIRFIELD 6853N 17924W**

**NW/SE RUNWAY CLEARED OF SNOW TO 8,700 BY 200 FT.  
PARALLEL TAXIWAY HAS BEEN PLOWED. NO NEW CONSTRUCTION  
NOTED.**

**AIRCRAFT -- 11 FRESCO, FOUR BADGER, ONE CAT/CUB,  
TWO CRATE, ONE COACH, ONE HOUND AND TWO COLT.**

[ ] **MOZDOK AIRFIELD 4347N 04436E**

**E/W CONCRETE RUNWAY IS BEING RECONSTRUCTED.  
APPROXIMATELY ONE-HALF OF THE NEW CONCRETE  
SQUARES ARE IN PLACE. THE NEW RUNWAY WILL BE  
APPROXIMATELY 11,200 X 280 FT. EXTENSIVE REPAIR  
OF TAXIWAYS AND PARKING APRONS IS IN PROGRESS.**

**NO AIRCRAFT ON AIRFIELD.**

**NO ASM FACILITY OBSERVED.**

[ ] **ANADYR/LENINKA AIRFIELD 6442N 17742E**

**NNE/SSW CONCRETE RUNWAY HAS BEEN CLEARED OF SNOW  
FOR 1,100 BY 210 FT. NNW/SSE RUNWAY IS SNOW COVERED.  
NO NEW CONSTRUCTION NOTED.**

**AIRCRAFT [ ] -- 21 FAGOT/FRESCO, ONE CAB, ONE  
CRATE, AND ONE LARGE STRAIGHT-WING.**

TOP SECRET CHESS RUFF

NPIC/R-274/64

AIRCRAFT [ ] -- 22 FAGOT/FRESCO, ONE CAB, AND ONE  
LARGE STRAIGHT-WING.

25X1

25X1

[ ] ROMANOVKA AIRFIELD WEST 4314N 13219E

25X1

NO NEW CONSTRUCTION, SUSPECT ASM, NUCLEAR  
STORAGE FACILITIES OR SPECIAL HANDLING EQUIPMENT  
OBSERVED.

AIRCRAFT -- FIVE BADGER ON WEST PARKING APRON  
AT SOUTH END OF FIELD, 11 BADGER ON HARDSTANDS  
EAST OF RUNWAY, FOUR BADGER ON EAST PARKING  
APRON AT NORTH END OF FIELD, ONE FISHBED ON  
TAXIWAY EAST OF RUNWAY, TWO FISHBED ON WEST  
PARKING APRON AT SOUTH END OF FIELD, ONE FISHBED  
OFF NORTH END OF RUNWAY, ONE FAGOT/FRESCO ON  
WEST PARKING APRON AT SOUTH END OF FIELD, AND  
ONE CAB ON HARDSTAND EAST OF RUNWAY.

25X1

[ ] KIIYEV AIRCRAFT ASSEMBLY PLANT 473 5027N 03024E

25X1

AIRCRAFT -- ONE CAT/CUB, TWO MEDIUM STRAIGHT-WING  
TWIN ENGINE (ONE WITH ONE WING REMOVED) AND TWO  
STRAIGHT-WING LIAISON-TYPE.

NEW CONSTRUCTION [ ] INCLUDES WORK  
IN THE EARLY STAGES ON AN ADDITION TO DOUBLE THE  
SIZE OF ONE OF THE LARGE ASSEMBLY-TYPE BUILDINGS,  
CONNECTION OF A LONG ADJACENT BUILDING TO THE  
ASSEMBLY BUILDING, CONSTRUCTION OF AN ADDITION,  
PROBABLY FOR A SHOP, ON THE LARGE HANGAR SITUATED AT  
NORTHERN SECTION OF THE PLANT, AND CONSTRUCTION OF  
AN ADDITION TO DOUBLE THE SIZE OF A SHOP-TYPE  
BUILDING. CONSTRUCTION MATERIALS, INCLUDING POSSIBLE  
TANKS, ARE SEEN IN PLANT AREA.

25X1

25X1



TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] FORT SHEVCHENKO AIRFIELD 4435N 05020E

25X1

RUNWAY MARKERS INDICATE A 7,100 X 300 FT NW/SE GRADED EARTH RUNWAY WITH 500 FT OF OVERRUN ON THE NW END AND 1,500 FT OF OVERRUN ON THE SE END, SERVICEABLE.

FACILITIES INCLUDE THREE LARGE BUILDINGS, FOUR SMALL BUILDINGS AND A POL STORAGE AREA. ONE ADDITIONAL LARGE BUILDING APPEARS UNDER CONSTRUCTION. NO AIRCRAFT OBSERVED.

A 4,000 X 190 NE/SW GRADED EARTH RUNWAY, AND A 3,775 X 190 NW/SE GRADED EARTH RUNWAY, BOTH SERVICEABLE, OBSERVED 2.5 NM NE OF FORT SHEVCHENKO.

AIRCRAFT -- ONE COLT.

25X1

[REDACTED] KRASNOVODSK AIRFIELD 4004N 05300E

25X1

ONE PROBABLE BAR LOCK RADAR AND 21 PIECES OF EQUIPMENT ARE LOCATED EAST OF THE RUNWAY. NO COMMUNICATIONS INSTALLATIONS IDENTIFIED.

AIRCRAFT -- ONE FLASHLIGHT, 21 DELTA-WING FIGHTERS, THREE PROBABLE DELTA-WING FIGHTERS, TWO FARMERS, ONE PROBABLE FARMER, 39 FAGOT/FRESCO, TWO COLT, 14 SINGLE-ENGINE, THREE HOUND AND ONE HARE WITHOUT ROTOR.

25X1

[REDACTED] HSING-CHENG AIRFIELD (CHINA) 4036N 12043E

25X1

NO APPARENT CHANGE [REDACTED]  
NO RADAR OBSERVED.

25X1

AIRCRAFT -- 24 BAT AND ONE FAGOT/FRESCO.

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] LING-SHUI AIRFIELD (CHINA) 1830N 10959E

NO CHANGES IN FACILITIES SINCE [REDACTED]  
NO RADAR OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT -- 11 FAGOT/FRESCO AND ONE CRATE.

[REDACTED] NAN-NING AIRFIELD (CHINA) 2249N 10820E

NO APPARENT CHANGE IN FACILITIES AND ELECTRONICS

[REDACTED]  
NO AIRCRAFT OBSERVED.

[REDACTED] YIN-CHUAN AIRFIELD (CHINA) 3830N 10608E

8 NM NW OF YIN-CHUAN.

APPROXIMATELY 4,500 X 200 FT NW/SE NATURAL  
SURFACE RUNWAY, SERVICEABLE.

FACILITIES INCLUDE A SMALL POSSIBLE SUPPORT AREA  
SE OF SE END OF RUNWAY. NO RADAR FACILITIES  
OBSERVED.

NO AIRCRAFT OBSERVED.

[REDACTED] SUI-CHUNG AIRFIELD (CHINA) 4019N 12021E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
NO RADAR OR AIRCRAFT OBSERVED.

[REDACTED] YA-MEN-TUN AIRFIELD (CHINA) 4714N 12355E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
NO RADAR OBSERVED.

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED]  
[REDACTED] PEI-TUN AIRFIELD (CHINA) 2527N 10043E

ONE NM SOUTH OF PEI-TUN AND 2.7 NM NE OF YUN-NAN-I.  
7,800 X 145 FT NNE/SSW PROBABLE LATERITE RUNWAY,  
SERVICEABLE, WITH A PARALLEL LOOP TAXIWAY, 2 LINK  
TAXIWAYS, 2 ALERT APRONS, AND 3 PARKING APRONS.  
A TAXIWAY FROM THE SOUTH END OF THE PARALLEL LOOP  
TAXIWAY EXTENDS 1.2 NM WSW TO A DISPERSAL AREA  
CONTAINING APPROXIMATELY 50 AIRCRAFT REVETMENTS.

A POL STORAGE AREA 2.2 NM WEST OF CENTER OF THE  
RUNWAY CONTAINS 3 SEMI-BURIED TANKS.

AIRCRAFT -- NONE OBSERVED.

[REDACTED]  
[REDACTED] LIN-FEN AIRFIELD (CHINA) 3602N 11129E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
[REDACTED] IN VISIBLE AREAS. NO ELECTRONICS NOTED.

AIRCRAFT -- FIVE FAGOT/FRESCO AND ONE CRATE.

[REDACTED] NAN-NING AIRFIELD SOUTH (CHINA) 2236N 10810E

NE/SW CONCRETE RUNWAY APPROXIMATELY 9,200 X 260  
IS SERVICEABLE. PARALLEL TAXIWAY TO WEST HAS  
COMPLETED NORTH SECTION.

AIRCRAFT -- FOUR COLT.

NO ELECTRONICS OBSERVED.

[REDACTED]  
[REDACTED] ASTRAKHAN AIRFIELD NORTHWEST 4625N 04755E

NO NEW CONSTRUCTION OBSERVED.

TOP SECRET CHESS RUFF

NPIC/R-274/64

AIRCRAFT -- (APPROXIMATE COUNT) 32 FISHBED, SIX FAGOT/FRESCO, 10 CRATE, TWO PROBABLE COOT, ONE CAB AND ONE STRAIGHT-WING FOUR-ENGINE ON SOUTH PARKING RAMP.

[REDACTED]

25X1

[REDACTED] LASTOCHKA AIRFIELD 4624N 13405E

25X1

NO AIRCRAFT, COMMUNICATIONS FACILITIES, HARDENED COMMAND POST OR OTHER FACILITIES OBSERVED.

[REDACTED]

25X1

[REDACTED] SEVASTOPOL/BELBEK AIRFIELD 4441N 03333E

25X1

AIRCRAFT -- FOUR FISHBED IN ASSEMBLY AREA OFF SW DISPERSAL TAXIWAY, 30 FARMER AND SEVEN FAGOT/FRESCO ON HARDSTANDS AND APRONS, ONE CAB, ONE HOUND AND TWO SINGLE-ENGINE ON HARDSTANDS. NO NEW CONSTRUCTION OBSERVED.

[REDACTED]

25X1

[REDACTED] MURMANSK AIRFIELD NORTHEAST 6901N 03318E

25X1

AIRCRAFT -- TWO TRANSPORTS AND FOUR HOOKS AT NORTH LINK TAXIWAY AND 19 HOUND AT SOUTH END OF FIELD. NO NEW CONSTRUCTION OBSERVED.

[REDACTED]

25X1

[REDACTED] BUKHTA/SUKHODOL SEAPLANE STATION 4310N 13220E

25X1

AIRCRAFT -- 10 MADGE ON WEST RAMP AND SIX MADGE ON EAST RAMP.

[REDACTED]

25X1

[REDACTED] HAI-LA-ERH AIRFIELD SOUTHWEST (CHINA) 4909N 11941E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

**TOP SECRET CHESS RUFF**

**NPIC/R-274/64**

[REDACTED]  
**RUNWAY PARTLY SNOW COVERED.**

**NO AIRCRAFT OBSERVED.**  
[REDACTED]

[REDACTED] **KOLBERG AIRFIELD (POLAND) 5411N 01540E**

**AIRCRAFT -- ONE SMALL SINGLE-ENGINE.**

**NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.**  
[REDACTED]

[REDACTED] **KIROVABAD AIRFIELD 4044N 04618E**

**AIRCRAFT -- 38 FRESCO, 24 CAMP AND 11 COLT.**

**NO RADAR OR COMMUNICATIONS SITES OBSERVED.**  
[REDACTED]

[REDACTED] **NOVOROSIYA AIRFIELD 4321N 13233E**

**NO NEW ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.**

**AIRCRAFT -- 10 FAGOT/FRESCO.**  
[REDACTED]

[REDACTED] **DOBRANY AIRFIELD (CZECHOSLOVAKIA) 4940N 01317E**

**AIRCRAFT -- 15 FARMER, 44 FAGOT/FRESCO, AND 10 SMALL SINGLE-ENGINE.**

**NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.**  
[REDACTED]

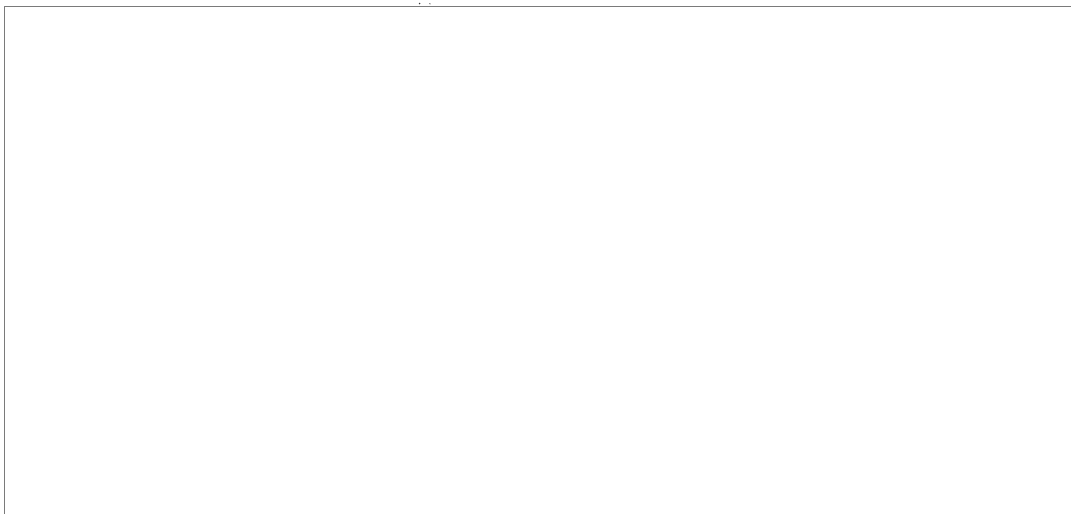
TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] ZATEC AIRFIELD (CZECHOSLOVAKIA) 5022N 01335E

AIRCRAFT -- FIVE PROBABLE FISHBED, 16 FARMER, TWO  
FAGOT/FRESCO AND ONE CAB.

ILS SYSTEM OBSERVED OFF EACH END OF RUNWAY.



[REDACTED] KHABAROVSK/BLAGODATNOYE AIRFIELD 4824N 13525E

NO NEW ELECTRONICS OR COMMUNICATIONS INSTALLATIONS  
OBSERVED.

AIRCRAFT -- 21 FISHPOTS AND 20 FAGOT/FRESCO.



[REDACTED] VERINO AIRFIELD 4801N 13506E

NO NEW ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.

AIRCRAFT -- 42 FRESCO AND SIX POSSIBLE FRESCO.



TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

25X1

25X1

[REDACTED]

[REDACTED] KONIGSBERG/NEUMARK AIRFIELD (POLAND) 5256N 01425E  
AIRCRAFT -- 23 FISHBED, FIVE FAGOT/FRESCO AND ONE  
FLASHLIGHT.  
ILS OBSERVED OFF EAST END OF RUNWAY.

[REDACTED]

25X1

25X1

[REDACTED] TIMISOARA AIRFIELD NORTHEAST 4549N 02119E  
AIRCRAFT -- SEVEN FISHBED, FIVE FARMER, 24  
FAGOT/FRESCO, TWO SINGLE-ENGINE AND ONE CRATE.  
GCA OBSERVED AT EAST END OF AIRFIELD AND ILS  
SYSTEM AT EAST END OF RUNWAY.

[REDACTED]

25X1

25X1

[REDACTED] MIKHA TSKHAKAYA AIRFIELD 4215N 04203E  
AIRCRAFT -- FIVE FAGOT/FRESCO AND ONE SINGLE  
ENGINE.  
NO ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.

[REDACTED]

25X1

25X1

[REDACTED] KAGAN AIRFIELD SOUTH 3941N 06433E  
AIRCRAFT [REDACTED] -- FIVE CRATES, EIGHT HOOK (THREE  
WITHOUT ROTORS) AND 12 PROBABLE SMALL HELICOPTERS.

25X1

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.

AIRCRAFT [ ] -- NINE HOUND AND EIGHT HOOK.

25X1

25X1

[ ] DEBRECEN AIRFIELD (HUNGARY) 4730N 02137E

25X1

AIRCRAFT -- 40 BEAGLE.

NO ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.

25X1

[ ] GISSAR AIRFIELD 3830N 06840E

25X1

AIRCRAFT -- 32 BEAGLE, 81 FAGOT/FRESCO, AND ONE  
SINGLE ENGINE.

NO ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.

25X1

[ ] PREZE AIRFIELD (ALBANIA) 4125N 01944E

25X1

AIRCRAFT -- ONE BEAGLE, 12 FARMER, 15 FAGOT/  
FRESCO AND ONE SINGLE ENGINE.

A PROBABLE GCA RADAR IS CENTERED BETWEEN THE RUNWAY  
AND TAXIWAY.

25X1

[ ] TIRANA AIRFIELD (ALBANIA) 4120N 01947E

25X1

AIRCRAFT -- ONE CRATE, 11 COLT, NINE SINGLE-ENGINE  
AND ONE HOUND.

NO ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.



TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED]  
[REDACTED] AMDERMA AIRFIELD 6946N 06133E

AIRCRAFT -- NINE UNIDENTIFIED JET FIGHTERS.  
NO ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.  
[REDACTED]

[REDACTED] IVANOVO AIRFIELD WEST 5700N 04052E

NO AIRCRAFT, ELECTRONICS, OR COMMUNICATIONS  
FACILITIES OBSERVED.  
[REDACTED]

[REDACTED] CHIRCHIK AIRFIELD 4130N 06934E

AIRCRAFT -- 10 FLASHLIGHT, 66 FAGOT/FRESCO, ONE  
CAT/CUB, THREE CAMP/COKE, ONE CAB, AND ONE SINGLE-  
ENGINE. ILS SYSTEM OBSERVED OFF SW END OF RUNWAY.  
AND RADAR SITE AND COMMUNICATIONS SITE IN SUPPORT  
AREA SOUTH OF TAXIWAY. GCA IS IN CENTER OF AIRFIELD.  
[REDACTED]

[REDACTED] OREL AIRFIELD SOUTHWEST 5256N 03600E

AIRCRAFT -- 56 FAGOT/FRESCO.  
NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.  
[REDACTED]

[REDACTED] KURSK AIRFIELD EAST 5145N 03618E

NO AIRCRAFT OBSERVED.

RADAR SITE WITH PARABOLIC DISH REFLECTOR  
APPROXIMATELY 60 FT IN DIAMETER IS LOCATED 2.8  
NM ENE OF INTERSECTION OF RUNWAY.

TOP SECRET CHESS RUFF

**TOP SECRET CHESS RUFF**

**NPIC/R-274/64**

[REDACTED]

25X1

[REDACTED]

**MINERALNYYE VODY AIRFIELD 4413N 04307E**

25X1

**NO ELECTRONICS OR COMMUNICATIONS FACILITIES  
OBSERVED.**

**AIRCRAFT -- TWO CAMEL, FIVE COOKPOT, ONE COOT,  
ONE CRATE, AND 10 CAB.**

[REDACTED]

25X1

**TOP SECRET CHESS RUFF**

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TOP SECRET CHESS RUFF

NPIC/R-274/64

NAVAL ACTIVITY/PORTS

[REDACTED] MAGADAN SHIP REPAIR YARD 5932N 15046E

VESSELS -- ONE PROBABLE ATREK-CLASS SUBMARINE TENDER, ONE UNIDENTIFIED AUXILIARY APPROXIMATELY 375 FT LONG, THREE PROBABLE W-CLASS SS, FOUR POSSIBLE SS AND ONE SMALL AUXILIARY.

POOR QUALITY PRECLUDES INTERPRETATION OF FACILITIES.

[REDACTED] SEVASTOPOL NAV BASE & SHIPYARD SEVMORZAVOD 497 4436N 03332E

VESSELS AT NAVAL BASE AND SHIPYARD -- ONE SVERDLOV CRUISER, ONE UNIDENTIFIED CRUISER, THREE AUXILIARIES AND THREE UNIDENTIFIED SMALL VESSELS NEAR THE YARD. NINE UNIDENTIFIED DESTROYER-TYPE, 16 OTHER COMBATANT-TYPE UNIDENTIFIED VESSELS AND FIVE AUXILIARY-TYPE UNIDENTIFIED VESSELS ARE IN THE NAVAL BASE AREA.

AT A QUAY NEAR THE SEVASTOPOL NAVAL MINE AND TORPEDO STORAGE AREA -- ONE UNIDENTIFIED AUXILIARY, ONE PROBABLE SKORYY DD, THREE KOTLIN DD, TWO KILDIN DDG AND FOUR RIGA DE.

AT SEVASTOPOL NAVAL BASE AND SHIPYARD KILENBALOCHNAYA BAY -- TWO UNIDENTIFIED DESTROYER-TYPE, ONE PROBABLE RIGA DE, THREE PROBABLE T-43 MSF AND TWO UNIDENTIFIED AUXILIARY.

AT SEVASTOPOL SHIP REPAIR YARD PANAIOTOVA BAY -- ONE KIROV-CLASS CRUISER, ONE UNIDENTIFIED AUXILIARY AND TWO UNIDENTIFIED DD-TYPE. IN DRYDOCK ARE ONE SVERDLOV CRUISER AND ONE UNIDENTIFIED DD TYPE.

ANCHORED IN SEVASTOPOL BAY -- ONE PROBABLE CHAPEYEV CRUISER, ONE UNIDENTIFIED CRUISER, ONE UNIDENTIFIED DESTROYER-TYPE AND ONE UNIDENTIFIED AUXILIARY.

ONE W-CLASS SUBMARINE IS UNDER WAY IN SEVASTOPOL BAY. POOR QUALITY AND CLOUD COVER PRECLUDE IDENTIFICATION OF ACTIVITY OR CHANGES IN THE SHIPYARD.

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] BAUTINO PORT FACILITIES 4432N 05016E

25X1

FACILITIES INCLUDE 10 SMALL PIERS, A POL STORAGE AREA WITH SIX LARGE VERTICAL TANKS, 10 SMALL VERTICAL TANKS, AND 33 SMALL HORIZONTAL TANKS.

A SECURED AREA IN THE NORTH PART OF BAUTINO CONTAINS TWO LARGE STORAGE BUILDINGS AND SEVERAL SMALL SUPPORT BUILDINGS. FOURTEEN STORAGE BUILDINGS ARE SCATTERED THROUGHOUT THE HARBOR AREA. ONE PIER HAS SIX STRIPPED HULKS ALONGSIDE.

VESSELS -- SIX SMALL CARGO VESSELS, ONE SMALL TANKER AND NUMEROUS FISHING BOATS.

ELABORATE RADAR AND COMMUNICATIONS FACILITIES ARE LOCATED BETWEEN THE PORT AND MYS TYUB-KARAGAN. EQUIPMENT LOCATED AT KARASU (44-36-20N 050-18-40E) INCLUDES ONE STONE CAKE, ONE BAR LOCK, TWO KNIFE REST, TWO FISH NET, ONE SPOON REST, SIX HF COMMUNICATIONS VANS AND THREE GENERATORS. A BIG MESH, A TOKEN AND TWO HF COMMUNICATIONS VANS ARE LOCATED AT 44-37-25N 050-18-45E. SEVENTEEN HF COMMUNICATIONS VANS ARE LOCATED AT KOLMYSH (44-38-20N 050-18-40E).

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

ELECTRONICS/COMMUNICATIONS

[REDACTED] KHUTOR TRACKING SITE 5306N 15820E

KRUG SITE ONLY COVERED. TRACKING ANTENNA  
IMMEDIATELY BEYOND LIMITS OF COVERAGE.

[REDACTED] SAMTREDIA ELECTRONIC FACILITY 4210N 04210E

NO ELECTRONICS FACILITY OBSERVED IN SAMTREDIA AREA.

GCI STATION OBSERVED AT MIKHA-TSKHAKAYA AIRFIELD  
(42-14N 042-04E).

TYPES OF RADAR PRESENT -- BAR LOCK, STONE CAKE, BIG  
MESH AND KNIFE REST A AND B. TWO HIGH-FREQUENCY  
COMMUNICATION SITES ALSO OBSERVED.

[REDACTED] YURATAM INSTRUMENTATION SITE 4721N 06520E

NO CHANGE IN CLOUD-FREE AREAS SINCE NPIC/R-65/64.  
SUPPORT AREA NOT OBSERVED. SITE IS 70 PERCENT  
CLOUD COVERED.

THE UNIDENTIFIED AREA LOCATED APPROXIMATELY 2 NM  
NNE OF THE SUPPORT AREA CONTAINS ONE BUILDING WITH  
AN UNIDENTIFIED OBJECT ON ITS ROOF AND EXTENSIVE  
TRACK ACTIVITY.

[REDACTED] TYURATAM INSTRUMENTATION SITE 4429N 06618E

SMALL SECURED AREA CONTAINS SEVERAL BARRACKS,  
THREE STORAGE-TYPE AND TWO PROBABLE THREE-STORY  
BUILDINGS. SECURED AREA CONTAINS AT LEAST 20  
BARRACKS OR STORAGE-TYPE BUILDINGS AND SEVERAL  
SMALLER BUILDINGS.

NO ANTENNAS OR SCARRING OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED]  
[REDACTED] VANKAREM AIR WARNING SITE 6750N 17555W

A TALL KING RADAR AND ASSOCIATED UNIDENTIFIED RADAR  
SITE ONE NM SE OF THE TALL KING ARE NEWLY IDENTIFIED.

[REDACTED]  
[REDACTED] KORPIYARVI TALL KING RADAR SITE 6513N 03030E

NO TALL KING RADAR SITE IS OBSERVED WITHIN A  
10-NM RADIUS.

[REDACTED]  
[REDACTED] OKHOTSK SUSPECT TROPOSCATTER SITE 5925N 14324E

NO TROPOSCATTER SITE OBSERVED WITHIN 10-NM RADIUS.

[REDACTED]  
[REDACTED] MYS SVYATOY NOS SUSPECT TROPOSCATTER SITE 7250N 14051E

NO TROPOSCATTER SITE OBSERVED WITHIN 10-NM RADIUS.

[REDACTED]  
[REDACTED] ALLAYKHA SUSPECT TROPOSCATTER SITE 7031N 14716E

NO TROPOSCATTER SITE OBSERVED WITHIN 15-NM RADIUS.

[REDACTED]  
[REDACTED] SREDNE-KOLYMSK SUSPECT TROPOSCATTER SITE 6730N 15402E

NO TROPOSCATTER SITE OBSERVED WITHIN 10-NM RADIUS.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] MYS KOSISTY SUSPECT TROPOSCATTER SITE 7333N 11021E  
NO TROPOSCATTER SITE OBSERVED WITHIN 7-NM RADIUS.

25X1

[REDACTED] SANGAR SUSPECT TROPOSCATTER SITE 6354N 12734E  
NO TROPOSCATTER SITE OBSERVED IN 10-NM RADIUS BUT  
A NEWLY IDENTIFIED TALL KING RADAR IS LOCATED AT  
THIS LOCATION.

25X1

25X1

[REDACTED] ZHIGANSK SUSPECT TROPOSCATTER SITE 6640N 12326E  
NO TROPOSCATTER SITE OBSERVED WITHIN 10-NM RADIUS.

25X1

25X1

[REDACTED] MYS SHMIDTA TROPOSCATTER RELAY STATION 6854N 17931W  
NO TROPOSCATTER STATION OBSERVED WITHIN 20 SQ MILES.

25X1

25X1

[REDACTED] VANKAREM SUSPECT TROPOSCATTER SITE 6749N 17621W  
NO TROPOSCATTER SITE OBSERVED WITHIN A 10-NM RADIUS.

25X1

25X1

[REDACTED] PEVEK SUSPECT TROPOSCATTER SITE 6943N 17151E  
NO TROPOSCATTER SITE OBSERVED WITHIN 10-NM RADIUS.

25X1

25X1

25X1

TOP SECRET CHESS RUFF



TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] DUDINKA SUSPECT TROPOSCATTER SITE 6928N 08622E

25X1

NO TROPOSCATTER SITE OBSERVED WITHIN 40-SQ-MI AREA  
COVERED BY PHOTOGRAPHY.

25X1

[REDACTED] Khatanga Suspect Troposcatter Site 7157N 10239E

25X1

NO TROPOSCATTER SITE OBSERVED WITHIN 10-NM RADIUS.

TALL KING RADAR SITE WAS OBSERVED AT 71-58-15N  
102-28-30E, ONE NM SE OF KHATANGA.

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

MILITARY ACTIVITY

[ ] FO-HAI ARMY BARRACKS SOUTH (CHINA) 2158N 10028E

REGIMENTAL-SIZE UNIT ON SOUTH EDGE OF FO-HAI INCLUDES TWO SECURED AREAS WITH 119 BARRACKS, 32 BARRACKS-TYPE, TEN ADMINISTRATION, 17 STORAGE BUILDINGS, AND 66 SUPPORT BUILDINGS, TWO VEHICLE SHEDS, 19 MESS HALLS, ONE THEATER, THREE OBSTACLE COURSES, TWO TRENCH SYSTEMS SOUTH OF THE INSTALLATION, A POSSIBLE DEFENSE TRENCH ALONG THE ROAD SOUTH OF FO-HAI AND TWO PROBABLE AND 55 POSSIBLE VEHICLES.

[ ] HSING-CHENG ARMY BARRACKS SOUTHWEST (CH) 4033N 12035E

FENCED COMPOUND CONTAINS 41 BARRACKS, ONE HEADQUARTERS AND THREE ADMINISTRATION BUILDINGS, NINE WAREHOUSES, AND APPROXIMATELY 60 SUPPORT BUILDINGS. NO ACTIVITY OBSERVED.

[ ] HSING-CHENG ARMY BARRACKS (CHINA) 4039N 12043E

NO APPARENT CHANGE IN FACILITIES [ ]  
[ ] NO ACTIVITY OBSERVED.

[ ] HSING-CHENG ARMY BARRACKS LIEN-SHAN SW (CH) 4041N 12046E

NO APPARENT CHANGE IN FACILITIES [ ]  
[ ] NO ACTIVITY OBSERVED.

[ ] LIEN-SHAN ARMY BARRACKS NORTH (CHINA) 4046N 12052E

NO APPARENT CHANGE IN FACILITIES [ ]  
[ ] NO ACTIVITY OBSERVED.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] TUNG-KUAN AREA, PROB MIL BARRACKS AREA (CH) 3433N 11016E

NO INSTALLATIONS WITH A KNOWN MILITARY  
CONFIGURATION ARE VISIBLE IN CLOUD-FREE AREAS.

[REDACTED]

[REDACTED] ALABINO ARMY BARRACKS AND TRAINING CENTER 5532N 03657E

BARRACKS AREA APPEARS OCCUPIED, HOWEVER, AMOUNT OF  
TRACK ACTIVITY INDICATES LESS THAN MAXIMUM USAGE.  
THE TRAINING CENTER FACILITIES (SMALL ARMS  
RANGES, DRIVER/CREW TRAINING AND TANK/ASSAULT  
GUN RANGES) APPEAR INACTIVE.

NO TANKS OBSERVED.

[REDACTED]

[REDACTED] ALMA ATA ARMY BARRACKS SOUTH 4314N 07656E

AREA IS OCCUPIED AND ALL PORTIONS APPEAR TO  
BE IN USE. NO TANKS OBSERVED.

[REDACTED]

[REDACTED] ALMA ATA BARRACKS GORNY GIGANT 4312N 07657E

AREA IS OCCUPIED AND ALL PORTIONS APPEAR TO BE IN USE.  
NO TANKS OBSERVED.

[REDACTED]

[REDACTED] ANADYR ARMY BARRACKS MELKAYA 6445N 17734E

NO BARRACKS OBSERVED.

[REDACTED]

TOP SECRET CHESS RUFF

**TOP SECRET CHESS RUFF**

NPIC/R-274/64

[ ] ANADYR CANTONMENT AREA LENINKA 6442N 17739E

AREA IS OCCUPIED AND ALL PORTIONS IN USE.  
NO TANKS OBSERVED.

[ ]

[ ] BAKHCHISARAY ARMY BARRACKS 4445N 03351E

AREA APPEARS OCCUPIED AND IN USE.  
NO TANKS IDENTIFIED.

[ ]

[ ] CHEREMKHOVO ARMY BARRACKS 5305N 10309E

AREA IS OCCUPIED AND IN USE. NO TANKS OBSERVED.

[ ]

[ ] CHIRCHIK ARMY BARRACKS AND SCHOOL 4130N 06937E

AREA IS OCCUPIED.  
NO TANKS OBSERVED.

[ ]

[ ] CHIRCHIK ARMY BARRACKS ARYK RIVER 4128N 06934E

AREA IS OCCUPIED. EIGHT CANVAS-COVERED PROBABLE  
TANKS/SP GUNS OBSERVED IN A MOTOR POOL .5 NM WEST OF  
BARRACKS AREA.

SEVENTEEN FAGOT/FRESCO AND SEVEN PROBABLE FAGOT/  
FRESCO FUSELAGES OBSERVED IN CHIRCHIK AIRFORCE  
REPAIR SHOP PUG [ ] LOCATED IMMEDIATELY  
NE AND ADJACENT TO THE AREA.

FORTY-FOUR TANKS/SP GUNS, 11 CARGO TRUCKS, AND 7  
PROBABLE UTILITY TRUCKS OBSERVED IN THE MOTOR  
POOL AT CHIRCHIK HEADQUARTERS 376TH RIFLE  
MECHANIZED DIVISION [ ] LOCATED .6 NM NW.

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED]

25X1

[REDACTED] CHIRCHIK ARMY BARRACKS RIVER BRIDGE 4129N 06935E

25X1

NO BARRACKS ARE LOCATED AT THESE COORDINATES.  
BE NO AND NAME REFER TO A BRIDGE.

[REDACTED]

25X1

[REDACTED] DNEPROPETROVSK ARMY BARRACKS CENTRAL 4827N 03500E

25X1

AREA OCCUPIED AND IN USE. NO TANKS OBSERVED.

[REDACTED]

25X1

[REDACTED] DNEPROPETROVSK ARMY BARRACKS SOUTHWEST 4827N 03500E

25X1

IDENTIFICATION ONLY.

[REDACTED]

25X1

[REDACTED] DNEPROPETROVSK ARMY BARRACKS 4827N 03503E

25X1

AREA APPARENTLY OCCUPIED AND IN USE.  
NO TANKS OBSERVED.

[REDACTED]

25X1

[REDACTED] DUSHAMBE ARMY BARRACKS 3834N 06846E

25X1

AREA IS OCCUPIED. NO TANKS OBSERVED.

[REDACTED]

25X1

[REDACTED] GOMEL ARMY BARRACKS NOVO BELITSA 5224N 03103E

25X1

AREA IS PROBABLY OCCUPIED. NO TANKS OBSERVED.

[REDACTED]

25X1

TOP SECRET CHESS RUFF

**TOP SECRET CHESS RUFF**

NPIC/R-274/64

[REDACTED] NAKHICHEVAN ARMY BARRACKS NORTH 3912N 04524E

AREA IS OCCUPIED. FIFTY-SIX TANKS/SP GUNS OBSERVED.

[REDACTED] NARD-FOMINSK ARMY BARRACKS NORTH 5524N 03644E

AREA IS PROBABLE OCCUPIED, HOWEVER LIGHT TRACK  
ACTIVITY INDICATES LESS THAN MAXIMUM USAGE. THE  
TANK/ASSAULT GUN FIRING RANGES APPEAR INACTIVE.  
SIXTEEN POSSIBLE TANKS OBSERVED.

[REDACTED] NARD FOMINSK BARRACKS, TRAINING AREA, & DEPOT 5523N 03644E

AREA APPEARS OCCUPIED.

NO TANKS OBSERVED.

[REDACTED] OREL ARMY BARRACKS 5258N 03603E

AREA APPEARS OCCUPIED AND IN USE.

NO TANKS OBSERVED.

[REDACTED] OSIPOVICH I ARMY BARRACKS LAPICHI 5326N 02830E

VISIBLE PORTION OF AREA OCCUPIED AND ACTIVE. NO  
TANKS OBSERVED.

[REDACTED] OSIPOVICH I ARMY BARRACKS TSEL 5323N 02828E

AREA OCCUPIED AND IN USE. ONE POSSIBLE TANK OBSERVED.

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] OSIPOVICH I ARMY BARRACKS SOUTHWEST 5317N 02837E

25X1

OSIPOVICH I ARMY BARRACKS SW IS NOT COVERED BUT A TRAINING AREA LOCATED 5 NM WEST OF THE BARRACKS AND PROBABLY RELATED TO IT CONTAINS ONE TANK/ ASSAULT GUN RANGE, ONE PROBABLE COMBINED ARMS COURSE AND NUMEROUS AREAS FOR TRACKED-VEHICLE DRIVER/CREW TRAINING.

25X1

[REDACTED]  
[REDACTED] KANDALAKSHA ARMY BARRACKS CENTRAL 6710N 03225E

25X1

AREA IS OCCUPIED AND IN USE. NO TANKS OBSERVED.

25X1

[REDACTED] KIROVABAD ARMY BARRACKS 4040N 04622E

25X1

AREA IS OCCUPIED AND ALL PORTIONS IN USE. ACTIVITY INCLUDES 43 TANKS/SP GUNS.

25X1

[REDACTED] KIROVABAD ARMY BARRACKS CENTRAL 4041N 04621E

25X1

NO BARRACKS OBSERVED.

25X1

[REDACTED] KIYEV ARMY BARRACKS AND SCHOOL 5027N 03028E

25X1

AREA IS OCCUPIED AND ALL PORTIONS APPEAR TO BE IN USE. NO TANKS OBSERVED.

25X1

[REDACTED] KIYEV ARMY BARRACKS AND SCHOOL 1ST OF MAY 5026N 03028E

25X1

AREA IS OCCUPIED AND ALL PORTIONS APPEAR IN USE. NO TANKS OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED]  
[REDACTED] KIYEV ARMY BARRACKS MANEUVER AREA DARNITSA 5027N 03036E

AREA IS OCCUPIED AND ALL PORTIONS APPEAR TO BE IN USE.  
NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] YEREVAN ARMY BARRACKS 4013N 04432E

AREA IS OCCUPIED AND ALL PORTIONS IN USE.  
NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] YEREVAN ARMY BARRACKS SOUTH 4009N 04431E

AREA IS OCCUPIED AND ALL PORTIONS IN USE.  
NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] YEREVAN ARMY BARRACKS WEST CENTRAL 4010N 04430E

AREA IS OCCUPIED AND ALL PORTIONS IN USE.  
NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] YEREVAN ARMY BARRACKS ARABIKIR NORTHEAST 4013N 04431E

AREA IS OCCUPIED. ALL PORTIONS APPEAR IN USE.  
NO TANKS OBSERVED.

THIS AREA HAS NO MILITARY CHARACTERISTICS. IT IS  
PROBABLY WORKER HOUSING FOR ADJACENT INDUSTRIES.

TOP SECRET CHESS RUFF



TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] YEREVAN ARMY BARRACKS SOVETASHAN 4005N 04433E

AREA IS OCCUPIED AND ALL PORTIONS IN USE.  
SEVENTEEN PROBABLE TANKS/SP GUNS OBSERVED.

[REDACTED] KOMSOMOLSK-NA-AMURE ARMY BARRACKS 5034N 13656E

AREA APPEARS OCCUPIED AND IN USE. AREA DOES NOT  
APPEAR MILITARY IN NATURE. NO TANKS OBSERVED.

[REDACTED] KOZELSK ARMY BARRACKS 5402N 03546E

VISIBLE PORTION OF BARRACKS APPEARS OCCUPIED.  
NO TANKS OBSERVED.

[REDACTED] KUBINKA ARMY BARRACKS AND MANEUVER AREA 5533N 03641E

BARRACKS AREA APPEARS OCCUPIED. SIX POSSIBLE  
CANVAS-COVERED TANKS/SP GUNS OBSERVED. THE  
AMOUNT OF TRACKAGE IN THE MANEUVER AREA INDICATES  
LITTLE OR NO RECENT ACTIVITY.

[REDACTED] KURSK ARMY BARRACKS NORTH 5146N 03611E

AREA OCCUPIED AND IN USE. NO TANKS OBSERVED.

[REDACTED] KURSK ARMY BARRACKS SOUTHWEST 5143N 03609E

AREA APPEARS OCCUPIED AND IN USE. EXPANSION NOTED  
WITH TWO BUILDINGS UNDER CONSTRUCTION. NO TANKS  
IDENTIFIED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] KUSHKA BARRACKS COMPLEX AND TRAINING AREA 3515N 06220E

AREA IS OCCUPIED AND ALL PORTIONS IN USE.  
NO TANKS OBSERVED.

[REDACTED]

[REDACTED] MAGADAN ARMY BARRACKS 5934N 15049E

AREA APPEARS OCCUPIED AND IN USE.

NO TANKS OBSERVED.

[REDACTED]

[REDACTED] PETROPAVLOVSK-KAMCHATSKIY ARMY BARRACKS WEST 5304N 15837E

INSTALLATION IS OCCUPIED AND APPARENTLY ACTIVE.  
NO TANKS OBSERVED.

[REDACTED]

[REDACTED] PETROPAVLOVSK-KAMCHATSKIY ARMY BARRACKS 5303N 15843E

INSTALLATION APPEARS OCCUPIED AND ACTIVE.  
NO TANKS OBSERVED.

[REDACTED]

[REDACTED] PETROPAVLOVSK-KAMCHATSKIY ARMY BARRACKS NNE 5302N 15840E

THE AREA IS OCCUPIED. ALL PORTIONS APPEAR TO BE IN  
USE.  
NO TANKS OBSERVED.

[REDACTED]

[REDACTED] PETROPAVLOVSK-KAMCHATSKIY ARMY BARRACKS 5301N 15843E

AREA APPEARS OCCUPIED AND IN USE. NO TANKS OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED]  
[REDACTED] SARATOV ARMY BARRACKS NORTH 5134N 04601E

AREA IS OCCUPIED AND ALL PORTIONS APPEAR IN USE.  
NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] SEVERO-KURILSK ARMY BARRACKS WEST 5041N 15607E

THE AREA APPEARS OCCUPIED. PORTION OBSERVED  
APPEARS IN USE BUT SCATTERED CLOUDS PRECLUDE  
INTERPRETATION OF TOTAL AREA. NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] SEVERO-KURILSK ARMY BARRACKS SOUTH 5040N 15608E

AREA APPEARS OCCUPIED. PORTIONS VISIBLE THROUGH  
SCATTERED CLOUDS ARE ACTIVE. NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] SHKOTOVO ARMY BARRACKS 4319N 13221E

AREA IS OCCUPIED AND ALL PORTIONS APPEAR IN USE.  
NO TANKS OBSERVED.

[REDACTED]  
[REDACTED] SMOLYANINOVO ARMY BARRACKS 4318N 13228E

AREA IS OCCUPIED AND IN USE.

ACTIVITY INCLUDES NINE CANVAS-COVERED PROBABLE  
TANKS/SP GUNS.

TOP SECRET CHESS RUFF

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET CHESS RUFF

NPIC/R-274/64

[REDACTED] STARYYE DOROGI ARMY BARRACKS 5301N 02815E

VISIBLE PORTION OF AREA APPEARS OCCUPIED. NO  
TANKS OBSERVED.

25X1

[REDACTED] KIYEV MILITARY DISTRICT HEADQUARTERS 5026N 03031E

NO COMMUNICATIONS FACILITIES, HEADQUARTERS-TYPE  
BUILDINGS, OR CONSTRUCTION ACTIVITY OBSERVED ON  
CLEAR PHOTOGRAPHY.

25X1

25X1

[REDACTED] MAN-NAI ARMY BARRACKS (CHINA) 2150N 10023E

AREA 8 NM SSW OF FO-HAI ON THE FO-HAI--MAN-NAI  
ROAD CONTAINS 15 BARRACKS, ONE H-SHAPED  
ADMINISTRATION AND THREE LARGE AND TWO MEDIUM  
STORAGE BUILDINGS, SIX VEHICLE SHEDS, THREE  
MESS HALLS, 63 SUPPORT BUILDINGS, AND 16 POSSIBLE  
VEHICLES.

25X1

25X1

AREA APPEARS OCCUPIED AND ACTIVE.

[REDACTED] MIEN-NING ARMY BKS AND HQ 40TH INFANTRY (CH) 2353N 10005E

INSTALLATION CONTAINS TWO MAJOR BARRACKS AREAS  
WITH 162 BARRACKS, SEVEN ADMINISTRATION, 70 SUPPORT  
AND 37 STORAGE BUILDINGS, SEVEN VEHICLES/SHEDS, 23  
MESS HALLS, 11 BASKETBALL COURTS, ONE THEATER,  
TWO PROBABLE AND 21 POSSIBLE VEHICLES.  
INSTALLATION APPEARS OCCUPIED AND ACTIVE.

25X1

25X1

[REDACTED] CHANG-CHIANG ARMY BARRACKS SW (CHINA) 2108N 11016E

IDENTIFICATION ONLY.

25X1

25X1

25X1

TOP SECRET CHESS RUFF

NPIC/R-274/64

BONUS 1. YEREVAN/YEGVARD AIRFIELD 4017N 04433E

ON THE NE EDGE OF THE NE/SW RUNWAY OF YEREVAN/YEGVARD AIRFIELD THE FOLLOWING EQUIPMENT WAS OBSERVED LINED UP, PROBABLY FOR A REVIEW OR PARADE -- 25 PROBABLE TANKS, SIX UNIDENTIFIED VEHICLES, 15 CARGO TRUCKS, EIGHT PROBABLE MORTARS TOWED BY NINE SMALL QUARTER-TON-TYPE VEHICLES, 12 PROBABLE AAA TOWED BY 12 CARGO TRUCKS, 12 PROBABLE FIELD ARTILLERY TOWED BY 12 CARGO TRUCKS, EIGHT PROBABLE MORTARS TOWED BY NINE CARGO TRUCKS, AND 12 AAA TOWED BY 12 CARGO TRUCKS.

(ATTACHMENT 16)



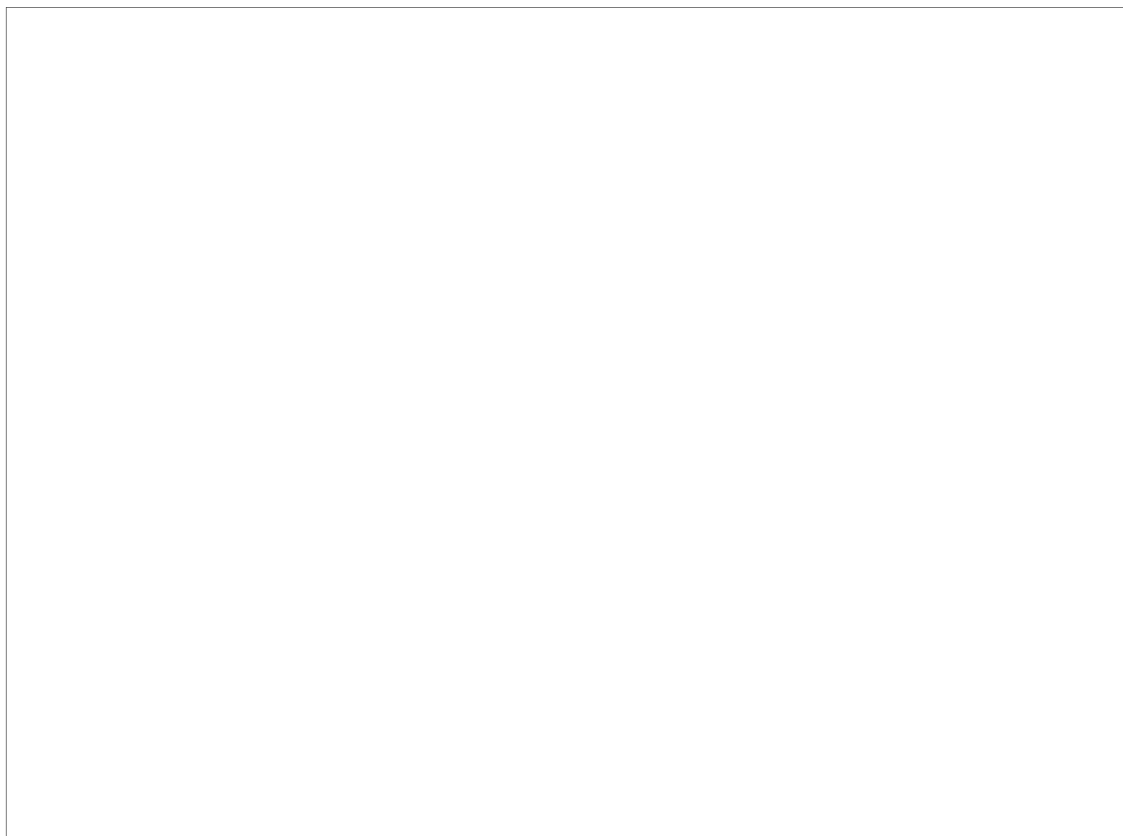
25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

OTHER ACTIVITY



25X1

[REDACTED] NYANDOMA SENSITIVE OPERATIONS COMPLEX 6139N 04015E

25X1

COMPLEX CONSISTS OF A LARGE RAIL FACILITY, BARRACKS  
AREA, CONSTRUCTION SUPPORT AREA, AND AN OPERATIONS  
AREA. PART OF THE RAIL FACILITY IS UTILIZED FOR  
CONSTRUCTION SUPPORT AND PART FOR OPERATIONAL USE.  
THREE POSSIBLE CRUISE MISSILES WITH WING SPANS OF  
[REDACTED] AND FUSELAGE LENGTHS [REDACTED] ARE LOCATED IN  
A CLEARED AREA ADJACENT TO THE OPERATIONAL SPURS.  
SEVENTEEN 75-FT-LONG AND THREE SMALLER RAIL CARS

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

ARE ON TWO OPERATIONAL SPURS. TWO EARTH-MOUNDED POL TANKS AND A STEAM PLANT, A LARGE CONCRETE BATCH PLANT, AND NUMEROUS ASSORTED BUILDINGS ARE ALSO LOCATED IN THE RAIL FACILITY. A LARGE MOTOR POOL WITH APPROXIMATELY 45-50 LARGE VAN-TYPE TRUCKS AND ABOUT 20 OTHER TRUCKS IS LOCATED NEAR THE SOUTH END OF THE RAIL FACILITY. BARRACKS AREA CONTAINS FOUR LARGE THREE-STORY COMPLETED BARRACKS AND ONE UNDER CONSTRUCTION, AN H-SHAPED MESS HALL, A WATER STANDPIPE AND LARGE U-SHAPED ADMINISTRATION BUILDINGS. THREE OF THE LARGE, CONCRETE STORAGE BUNKERS ARE BARELY VISIBLE THROUGH HAZE IN CLOUD-FREE AREAS. BUNKERS APPEAR TO BE SEPARATELY SECURED WITHIN THE FENCED OPERATIONS AREA. STEAM LINES ARE VISIBLE ENTERING ALL VISIBLE BUNKERS AND OPERATIONAL SUPPORT BUILDINGS. COMPLEX IS IDENTICAL IN ALL RESPECTS TO THE BULYZHINO SENSITIVE OPERATIONS COMPLEX.

(ATTACHMENT 18)



25X1

TOP SECRET CHESS RUFF

## TOP SECRET CHESS RUFF

NPIC/R-274/64

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY COMOR TARGET NUMBER, OF ALL TARGETS WHICH COULD BE ADEQUATELY IDENTIFIED DURING THE SCAN OF MISSION 4007. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 4007 IN WHICH THE TARGET WAS REPORTED.

<u>INSTALLATION NAME</u>	<u>COORDINATES</u>	<u>OAK</u>
PLESETSK ICBM LAUNCH AREA B (SITE 5)	6303N 04058E	I
PLESETSK ICBM LAUNCH AREA C (SITE 6)	6301N 04052E	I
TYURATAM LAUNCH COMPLEX C (SITE 3)	4558N 06339E	I
DROVYANAYA ICBM COMPLEX SUPPORT FACILITY	5132N 11301E	I
KOSTROMA ICBM LAUNCH AREA D (SITE 4)	5805N 04140E	I
KOSTROMA PROB ICBM LAUNCH AREA G (SITE 7)	5806N 04132E	I
PERM ICBM LAUNCH AREA A (SITE 1)	5741N 05613E	II
PERM ICBM LAUNCH AREA D (SITE 6)	5745N 05600E	II
PERM ICBM LAUNCH AREA F (SITE 4)	5741N 05604E	II
NOVOSIBIRSK ICBM LAUNCH AREA C (SITE 3)	5523N 08256E	I
NOVOSIBIRSK ICBM LAUNCH AREA E (SITE 5)	5519N 08255E	I
KOZELSK ICBM LAUNCH AREA A (SITE 3)	5354N 03545E	I
KOZELSK ICBM LAUNCH AREA B (SITE 2)	5348N 03547E	I
KOZELSK ICBM LAUNCH AREA E (SITE 5)	5351N 03541E	I
KOZELSK ICBM RAIL-TO-ROAD TRANSFER POINT	5356N 03546E	I
KOZYANY MRBM LAUNCH SITE	5520N 02651E	II
KARA-BABAU IRBM LAUNCH SITE 2	4431N 07758E	I
BAYRAM-ALI IRBM LAUNCH SITE	3746N 06212E	II
UGOLNYY MRBM LAUNCH SITE	6446N 17758E	II
GELLI IRBM LAUNCH SITE	4245N 04728E	II
PARAUL IRBM LAUNCH SITE	4247N 04723E	II
KAKASHURA IRBM LAUNCH SITE	4239N 04727E	II
KALNIK IRBM LAUNCH SITE	4859N 02922E	II
KAPUSTIN YAR LAUNCH COMPLEX A	4842N 04615E	II
KAPUSTIN YAR LAUNCH COMPLEX B	4841N 04616E	II
KAPUSTIN YAR LAUNCH COMPLEX C	4836N 04616E	II
KAPUSTIN YAR LAUNCH COMPLEX D	4828N 04618E	II
KAPUSTIN YAR LAUNCH COMPLEX E	4846N 04618E	II
KAPUSTIN YAR LAUNCH COMPLEX G	4822N 04617E	II
KAPUSTIN YAR MISSILE STORAGE	4820N 04613E	II
SARY-SHAGAN LAUNCH COMPLEX A	4623N 07252E	II
SARY-SHAGAN AMM LAUNCH COMPLEX B	4559N 07233E	II
SARY-SHAGAN INSTRUMENTATION SITE 8	4655N 07050E	II
UKA (KAMCHATKA PEN) HEN EGG	5756N 16201E	II
BAYKONUR FIELD LAUNCH POINT	4713N 06518E	II
DNEPROPETROVSK MISSILE DEVELOP PROD CENTER	4826N 03459E	II
KRASNOYARSK STATIC TEST STAND	5605N 09327E	I

25X1

TOP SECRET CHESS RUFF



## TOP SECRET CHESS RUFF

NPIC/R-274/64

DMSK STATIC TEST FACILITY	5527N 07322E II
SARATOV AIRFRAME PLANT 292	5130N 04557E II
KOMSOMOLSK SHIPYARD AMUR 199	5033N 13702E II
LITSA BAY SUBMARINE BASE	6926N 03224E II
PETROPAVLOVSK-KAMCHATSK NAV B BUKHTA TARYA	5255N 15830E II
PETROPAVLOVSK-KAMCHATSKIY NAV MISSILE STOR	5256N 15823E II
PETROPAVLOVSK-KAMCHATSKIY NAVAL MSLE SPT	5257N 15825E II
SEVASTOPOL PROBABLE NAVAL MSLE STORAGE FAC	4436N 03340E II
PETROVKA SHIPYARD	4307N 13220E I
DUNAY PROBABLE NAVAL MISSILE STORAGE	4256N 13220E II
DUNAY NAVAL SUPPLY DEPOT NORTH	4254N 13221E I
LENINGRAD PROB AMM COMPLEX D-25	5943N 02918E II
ANTIPINSKOYE SAM ACTIVITY	5254N 11332E II
PODPOROZHYE EARLY WARNING RADAR SITE	6050N 03412E I
LENINGRAD PROBABLE ELECTRONICS SITE SW	5944N 02934E II
MOSCOW SAM SITE E15-1	5509N 03822E II
ANGARSK AREA, SUSPECT AMM ACTIVITY	5253N 10315E II
ANGARSK AREA, SUSPECT AMM ACTIVITY	5253N 10315E I
AKHTUBINSK SAM SITE A04A-2	4824N 04615E II
SEVASTOPOL SAM SITE A01-3	4442N 03333E I
DOLON AIRFIELD	5032N 07912E I
BORZYA AIRFIELD NORTHWEST	5024N 11623E II
MYS SHMIDTA AIRFIELD	6853N 17924W II
MOZDOK AIRFIELD	4347N 04436E II
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E I
ANADYR/LENINKA AIRFIELD	6442N 17742E II
ROMANOVKA AIRFIELD WEST	4314N 13219E II
KIYEV AIRCRAFT ASSEMBLY PLANT 473	5027N 03024E II
KOMSOMOLSK AIRFRAME PLT ORDZHONIKIDZE 126	5036N 13705E I
FORT SHEVCHENKO AIRFIELD	4435N 05020E II
KRASNOVODSK AIRFIELD	4004N 05300E II
HSING-CHENG AIRFIELD (CHINA)	4036N 12043E II
LING-SHUI AIRFIELD (CHINA)	1830N 10959E II
NAN-NING AIRFIELD (CHINA)	2249N 10820E II
YIN-CHUAN AIRFIELD (CHINA)	3830N 10608E II
SUI-CHUNG AIRFIELD (CHINA)	4019N 12021E II
YA-MEN-TUN AIRFIELD (CHINA)	4714N 12355E II
PEI-TUN AIRFIELD (CHINA)	2527N 10043E II
LIN-FEN AIRFIELD (CHINA)	3602N 11129E II
NAN-NING AIRFIELD SOUTH (CHINA)	2236N 10810E II
ASTRAKHAN AIRFIELD NORTHWEST	4625N 04755E II
LASTOCHKA AIRFIELD	4624N 13405E II
SEVASTOPOL/BELBEK AIRFIELD	4441N 03333E II
MURMANSK AIRFIELD NORTHEAST	6901N 03318E II
BUKHTA/SUKHODOL SEAPLANE STATION	4310N 13220E II
HAI-LA-ERH AIRFIELD SOUTHWEST (CHINA)	4909N 11941E II
KOLBERG AIRFIELD (POLAND)	5411N 01540E II
KIROVABAD AIRFIELD	4044N 04618E II

25X1

TOP SECRET CHESS RUFF

## TOP SECRET CHESS RUFF

NPIC/R-274/64

NOVOROSSIYA AIRFIELD	4321N 13233E	II
DOBRANY AIRFIELD (CZECHOSLOVAKIA)	4940N 01317E	II
ZATEC AIRFIELD (CZECHOSLOVAKIA)	5022N 01335E	II

KHABAROVSK/BLAGODATNOYE AIRFIELD	4824N 13525E	II
VERINO AIRFIELD	4801N 13506E	II

KONIGSBERG/NEUMARK AIRFIELD (POLAND)	5256N 01425E	II
TIMISOARA AIRFIELD NORTHEAST (ROMANIA)	4549N 02119E	II
MIKHA TSKHAKAYA AIRFIELD	4215N 04203E	II
KAGAN AIRFIELD SOUTH	3941N 06433E	II
DEBRECEN AIRFIELD (HUNGARY)	4730N 02137E	II
GISSAR AIRFIELD	3830N 06840E	II
VORKUTA AIRFIELD	6730N 06357E	I
PREZE AIRFIELD (ALBANIA)	4125N 01944E	II
TIRANA AIRFIELD (ALBANIA)	4120N 01947E	II
AMDERMA AIRFIELD	6946N 06133E	II
BELUSHYA GUBA AIRFIELD	7137N 05230E	I
IVANOVO AIRFIELD WEST	5700N 04052E	II
KIYEV/POST VOLYNSKIY AIRFIELD	5024N 03026E	I
CHIRCHIK AIRFIELD	4130N 06934E	II
ALMA-ATA AIRFIELD	4320N 07701E	I
OREL AIRFIELD SOUTHWEST	5256N 03600E	II
KURSK AIRFIELD EAST	5145N 03618E	II
SARATOV AIRFIELD WEST	5132N 04551E	I
MINERALNYYE VODY AIRFIELD	4413N 04307E	II

MAGADAN SHIP REPAIR YARD	5932N 15046E	II
SEVASTOPOL NAV BASE&SHPYD SEVMORZAVOD 497	4436N 03332E	II
BAUTINO PORT FACILITIES	4432N 05016E	II
LU-HSIEN EXPLOSIVES PLT, 23D ARSENAL (CH)	2853N 10531E	I
KHUTOR TRACKING SITE	5306N 15820E	II
LAPICHI HF RAD REL & MF BROADCASTING STA	5325N 02831E	I
MOSCOW, SUSPECT AMM PHASED-ARRAY RADAR	5529N 03641E	I
SAMTREDIA ELECTRONIC FACILITY	4210N 04210E	II
TYURATAM INSTRUMENTATION SITE	4721N 06520E	II
TYURATAM INSTRUMENTATION SITE	4429N 06618E	II
VANKAREM AIR WARNING SITE	6750N 17555W	II

TOP SECRET CHESS RUFF

## TOP SECRET CHESS RUFF

NPIC/R-274/64

KORPIYARVI TALL KING RADAR SITE	6513N 03030E II
DKHOTSK SUSPECT TROPOSCATTER SITE	5925N 14324E II
MYS SVYATOY NOS SUSPECT TROPOSCATTER SITE	7250N 14051E II
ALLAYKHA SUSPECT TROPOSCATTER SITE	7031N 14716E II
SREDNE-KOLYMSK SUSPECT TROPOSCATTER SITE	6730N 15402E II
MYS KOSISTY SUSPECT TROPOSCATTER SITE	7333N 11021E II
SANGAR SUSPECT TROPOSCATTER SITE	6354N 12734E II
ZHIGANSK SUSPECT TROPOSCATTER SITE	6640N 12326E II
MYS SHMIDTA TROPOSCATTER RELAY STATION	6854N 17931W II
VANKAREM SUSPECT TROPOSCATTER SITE	6749N 17621W II
PEVEK SUSPECT TROPOSCATTER SITE	6943N 17151E II
ANADYR SUSPECT TROPOSCATTER SITE	6444N 17722E I
DUDINKA SUSPECT TROPOSCATTER SITE	6928N 08622E II
KHATANGA SUSPECT TROPOSCATTER SITE	7157N 10239E II
FO-HAI ARMY BARRACKS SOUTH (CHINA)	2158N 10028E II
HSING-CHENG ARMY BARRACKS SOUTHWEST (CH)	4033N 12035E II
HSING-CHENG ARMY BARRACKS (CHINA)	4039N 12043E II
HSING-CHENG ARMY BKS LIEN-SHAN SW (CHINA)	4041N 12046E II
LIEN-SHAN ARMY BARRACKS NORTH (CHINA)	4046N 12052E II
TUNG-KUAN AREA, PROB MIL BKS AREA (CH)	3433N 11016E II
ALABINO ARMY BARRACKS AND TRAINING CENTER	5532N 03657E II
ALMA ATA ARMY BARRACKS SOUTH	4314N 07656E II
ALMA ATA BARRACKS GORNY GIGANT	4312N 07657E II
ANADYR ARMY BARRACKS MELKAYA	6445N 17734E II
ANADYR CANTONMENT AREA LENINKA	6442N 17739E II
BAKHCHISARAY ARMY BARRACKS	4445N 03351E II
CHEREMKHOVO ARMY BARRACKS	5305N 10309E II
CHIRCHIK ARMY BARRACKS AND SCHOOL	4130N 06937E II
CHIRCHIK ARMY BARRACKS ARYK RIVER	4128N 06934E II
CHIRCHIK ARMY BARRACKS RIVER BRIDGE	4129N 06935E II
DNEPROPETROVSK ARMY BARRACKS CENTRAL	4827N 03500E II
DNEPROPETROVSK ARMY BARRACKS SOUTHWEST	4827N 03500E II
DNEPROPETROVSK ARMY BARRACKS	4827N 03503E II
DUSHAMBE ARMY BARRACKS	3834N 06846E II
GOMEL ARMY BARRACKS NOVO BELITSA	5224N 03103E II
NAKHICHEVAN ARMY BARRACKS NORTH	3912N 04524E II
NARO-FOMINSK ARMY BARRACKS NORTH	5524N 03644E II
NARO-FOMINSK BKS, TRAINING AREA, & DEPOT	5523N 03644E II
OREL ARMY BARRACKS	5258N 03603E II
OSIPOVICH ARMY BARRACKS LAPICHI	5326N 02830E II
OSIPOVICH ARMY BARRACKS TSEL	5323N 02828E II
OSIPOVICH ARMY BARRACKS SOUTHWEST	5317N 02837E II
KANDALAKSHA ARMY BARRACKS CENTRAL	6710N 03225E II
KIROVABAD ARMY BARRACKS	4040N 04622E II
KIROVABAD ARMY BARRACKS CENTRAL	4041N 04621E II
KIYEV ARMY BARRACKS AND SCHOOL	5027N 03028E II
KIYEV ARMY BARRACKS AND SCHOOL 1ST OF MAY	5026N 03028E II
KIYEV ARMY BARRACKS MANEUVER AREA DARNITSA	5027N 03036E II

25X1

## TOP SECRET CHESS RUFF

NPIC/R-274/64

25X1

YEREVAN ARMY BARRACKS	4013N 04432E II
YEREVAN ARMY BARRACKS SOUTH	4009N 04431E II
YEREVAN ARMY BARRACKS WEST CENTRAL	4010N 04430E II
YEREVAN ARMY BARRACKS ARABIKIR NORTHEAST	4013N 04431E II
YEREVAN ARMY BARRACKS SOVETASHAN	4005N 04433E II
KOMSOMOLSK-NA-AMURE ARMY BARRACKS	5034N 13656E II
KOZELSK ARMY BARRACKS	5402N 03546E II
KUBINKA ARMY BARRACKS AND MANEUVER AREA	5533N 03641E II
KURSK ARMY BARRACKS NORTH	5146N 03611E II
KURSK ARMY BARRACKS SOUTHWEST	5143N 03609E II
KUSHKA BARRACKS COMPLEX AND TRAINING AREA	3515N 06220E II
MAGADAN ARMY BARRACKS	5934N 15049E II
PETROPAVLOVSK-KAMCHATSKIY ARMY BKS WEST	5304N 15837E II
PETROPAVLOVSK-KAMCHATSKIY ARMY BARRACKS	5303N 15843E II
PETROPAVLOVSK-KAMCHATSKIY ARMY BKS NNE	5302N 15840E II
PETROPAVLOVSK-KAMCHATSKIY ARMY BARRACKS	5301N 15843E II
SARATOV ARMY BARRACKS NORTH	5134N 04601E II
SEVERO-KURILSK ARMY BARRACKS WEST	5041N 15607E II
SEVRO-KURILSK ARMY BARRACKS SOUTH	5040N 15608E II
SHKOTOVO ARMY BARRACKS	4319N 13221E II
SMOLYANINOVO ARMY BARRACKS	4318N 13228E II
STARYYE DOROGI ARMY BARRACKS	5301N 02815E II
KIYEV MILITARY DISTRICT HEADQUARTERS	5026N 03031E II
MI-TU ARMY BARRACKS (CHINA)	2521N 10028E I
MAN-NAI ARMY BARRACKS (CHINA)	2150N 10023E II
MIEN-NING ARMY BKS & HQ 40TH INFANTRY (CH)	2353N 10005E II
CHANG-CHIANG ARMY BARRACKS SW (CHINA)	2108N 11016E II
LOP NOR CIRCULAR GROUND SCAR (CHINA)	4050N 08940E II
NYANDOMA SENSITIVE OPERATIONS COMPLEX	6139N 04015E II

TOP SECRET CHESS RUFF

NPIC/R-274/64  
ATTACHMENT I

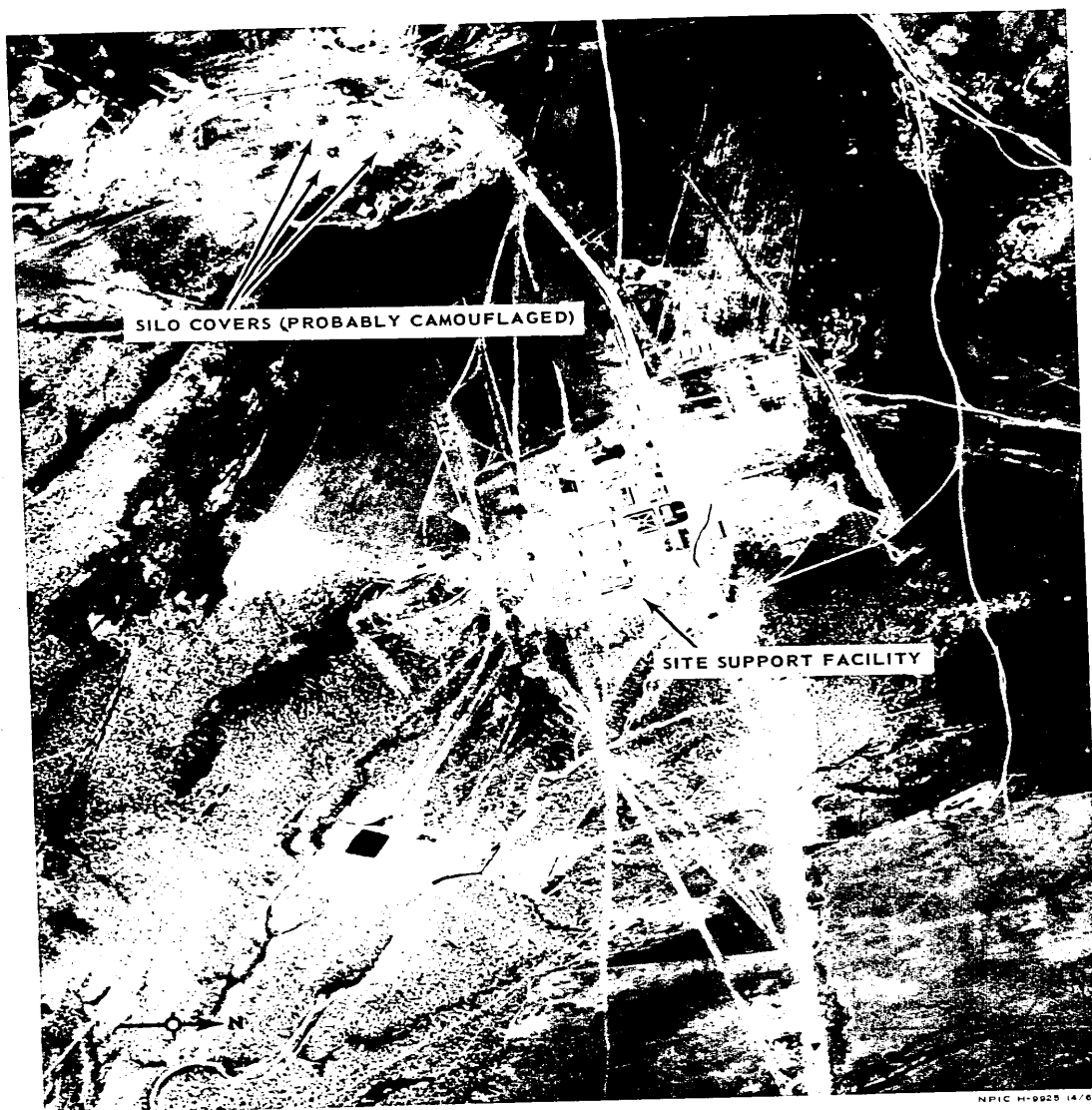


GELLI IRBM LAUNCH SITE, USSR.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64  
ATTACHMENT 2



PARAUL IRBM LAUNCH SITE, USSR.

NPIC H-9925 (4/64)

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64  
ATTACHMENT 3



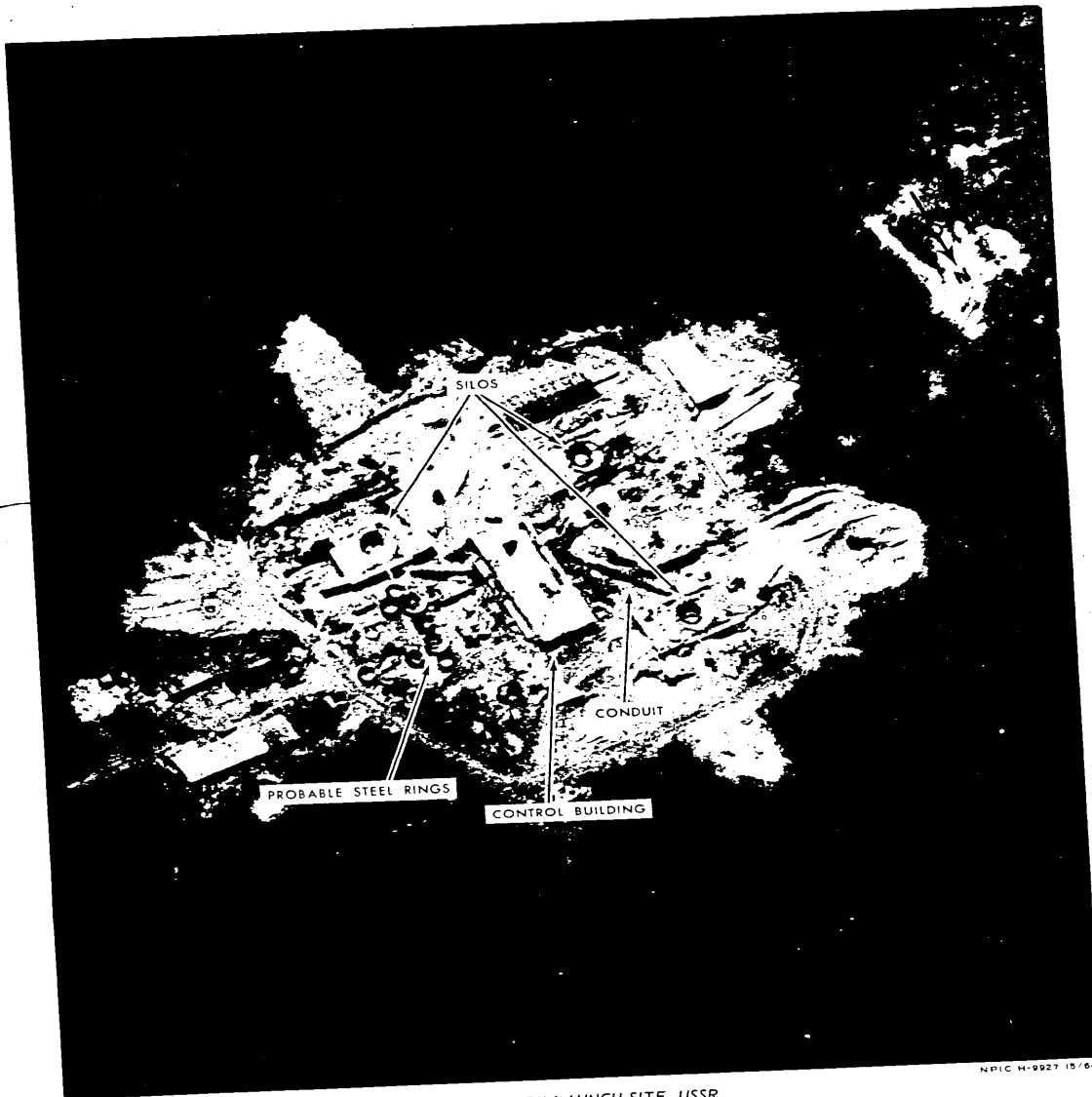
KAKASHURA IRBM LAUNCH SITE, USSR.

NPIC H-9926 (5/64)

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274.64  
ATTACHMENT 4



KALNIK IRBM LAUNCH SITE, USSR.

NPIC H-9927 (5/64)

TOP SECRET CHESS RUFF



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NPIC/R-274/64  
ATTACHMENT 5



LAUNCH COMPLEX A, KAPUSTIN YAR MTC, USSR.

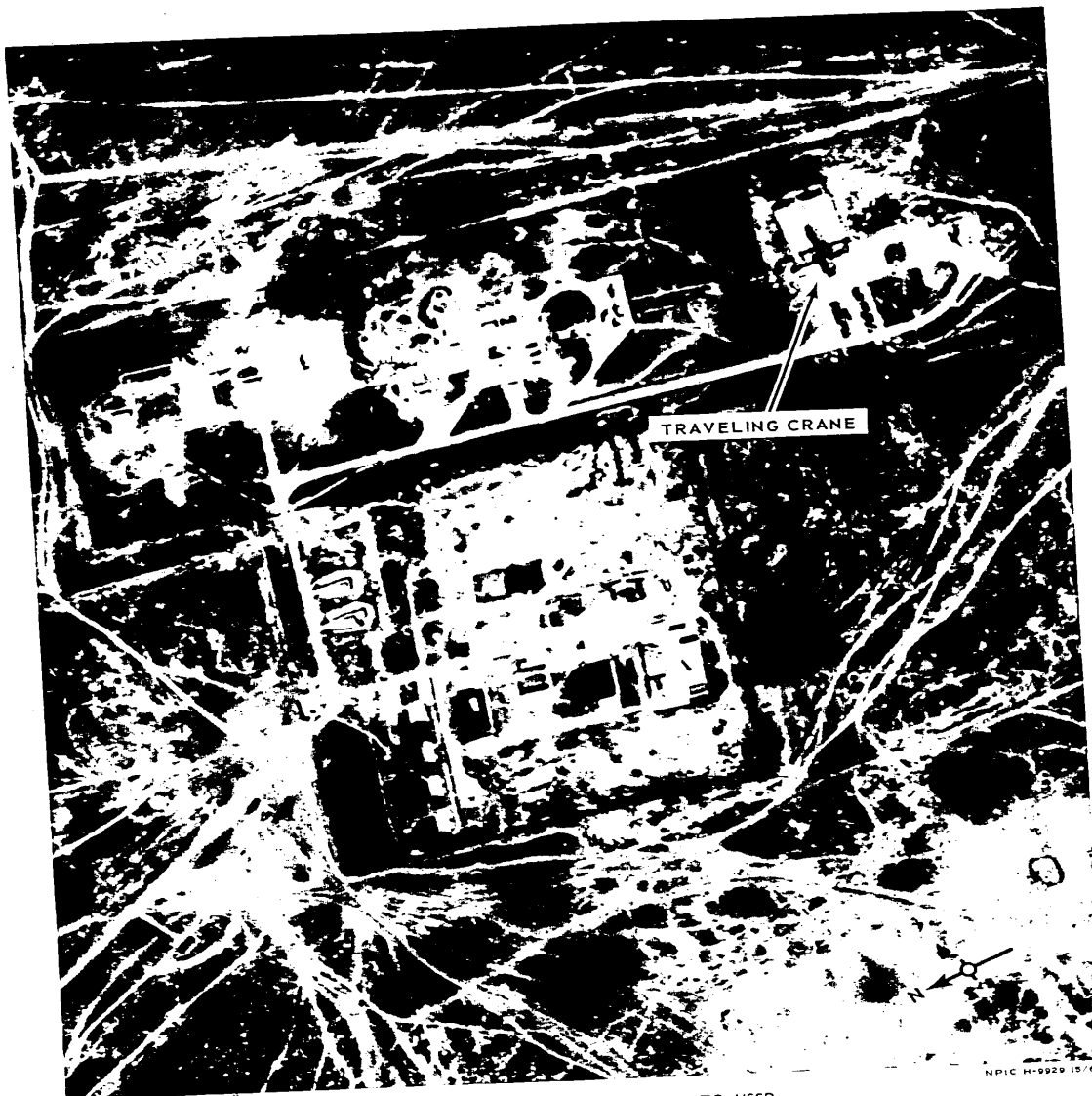
NPIC H-9928 15/641

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TOP SECRET CHESS RUFF

NPIC/R-274/64

ATTACHMENT 6



LAUNCH COMPLEX B, KAPUSTIN YAR MTC, USSR.

NPIC H-9929 (5/64)

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NPIC/R-274/64  
ATTACHMENT 7



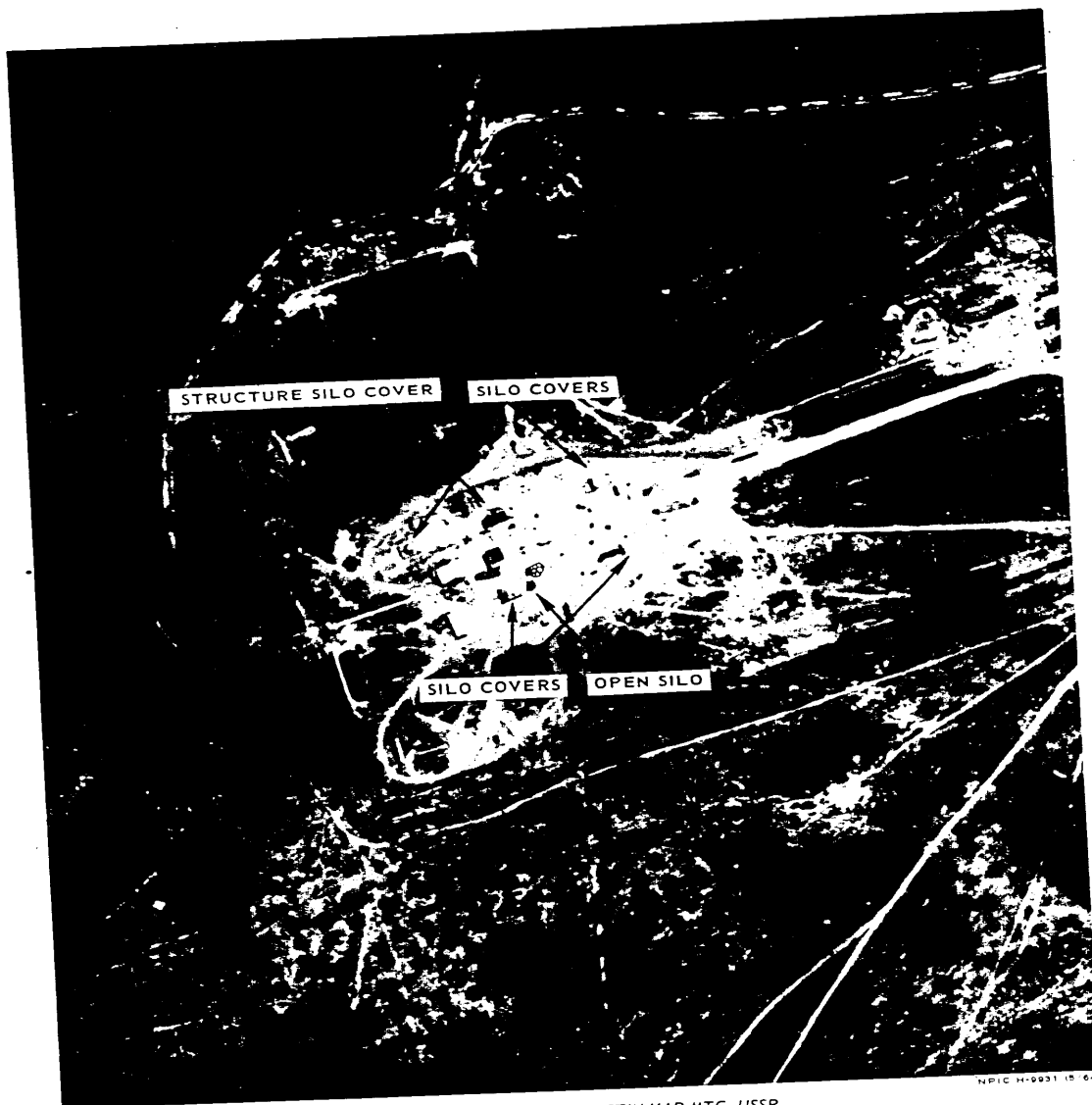
LAUNCH AREA 3C, KAPUSTIN YAR MTC, USSR.

NPIC H-9930 (S 64)

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NPIC R-274 64  
ATTACHMENT 8



LAUNCH AREA 4C1, KAPUSTIN YAR MTC, USSR.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-274/64

ATTACHMENT 9



LAUNCH AREA 4C2, KAPUSTIN YAR MTC, USSR.

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NPIC R-274/64  
ATTACHMENT 10

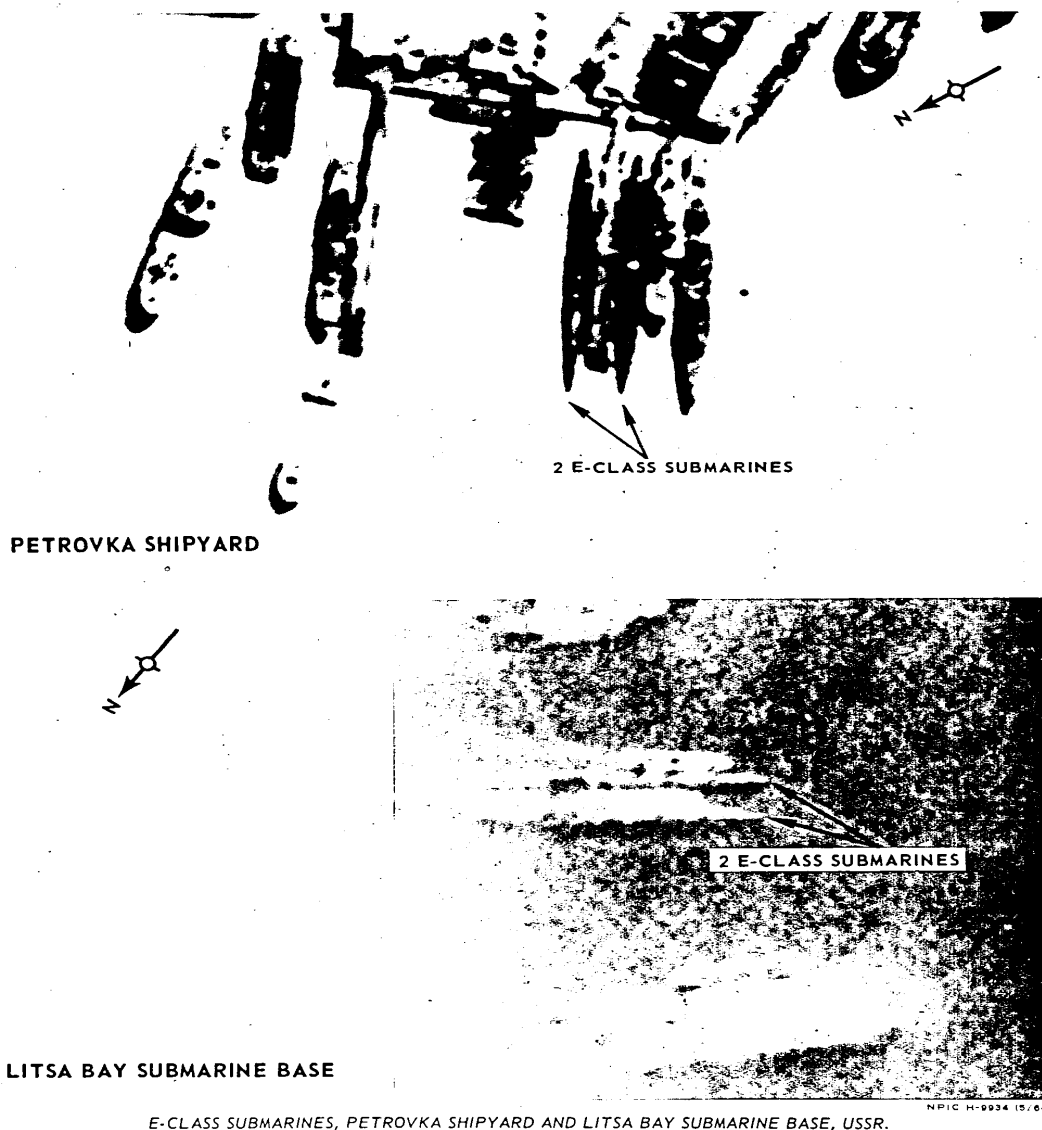


LAUNCH AREA SC1, KAPUSTIN YAR MTC, USSR.

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TOP SECRET CHESS RUFF

NPIC/R-274/64  
ATTACHMENT 11



E-CLASS SUBMARINES, PETROVKA SHIPYARD AND LITSA BAY SUBMARINE BASE, USSR.

NPIC H-9934 (7, 64)

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TOP SECRET CHESS RUFF

NPIC R-274/64  
ATTACHMENT 12



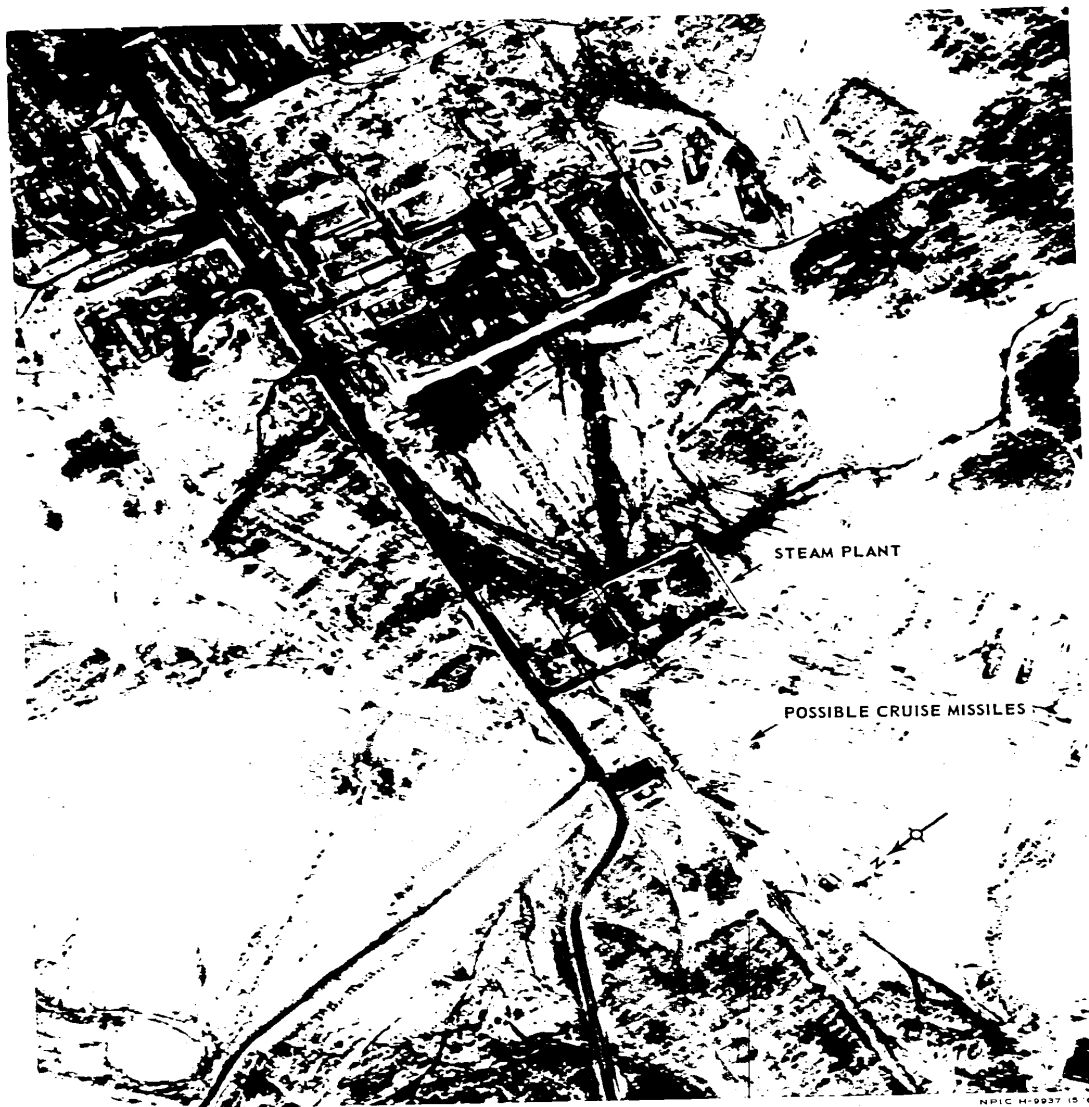
LENINGRAD PROBABLE AMM COMPLEX D-25, USSR.

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NPIC/R-274/64  
ATTACHMENT 13



CHEBSARA SENSITIVE OPERATIONS COMPLEX, USSR.

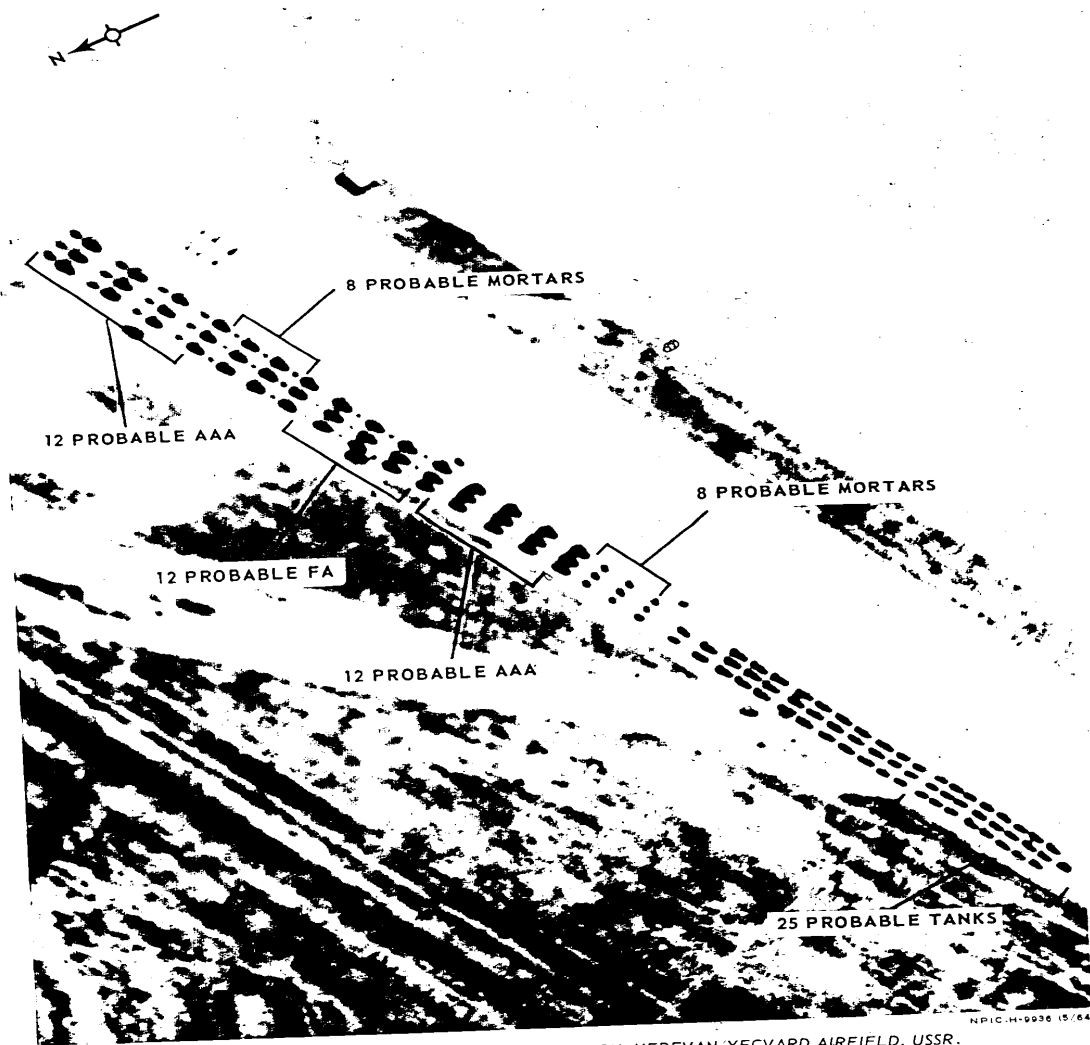
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TOP SECRET CHESS RUFF

NPIC/R-274/64  
ATTACHMENT 16



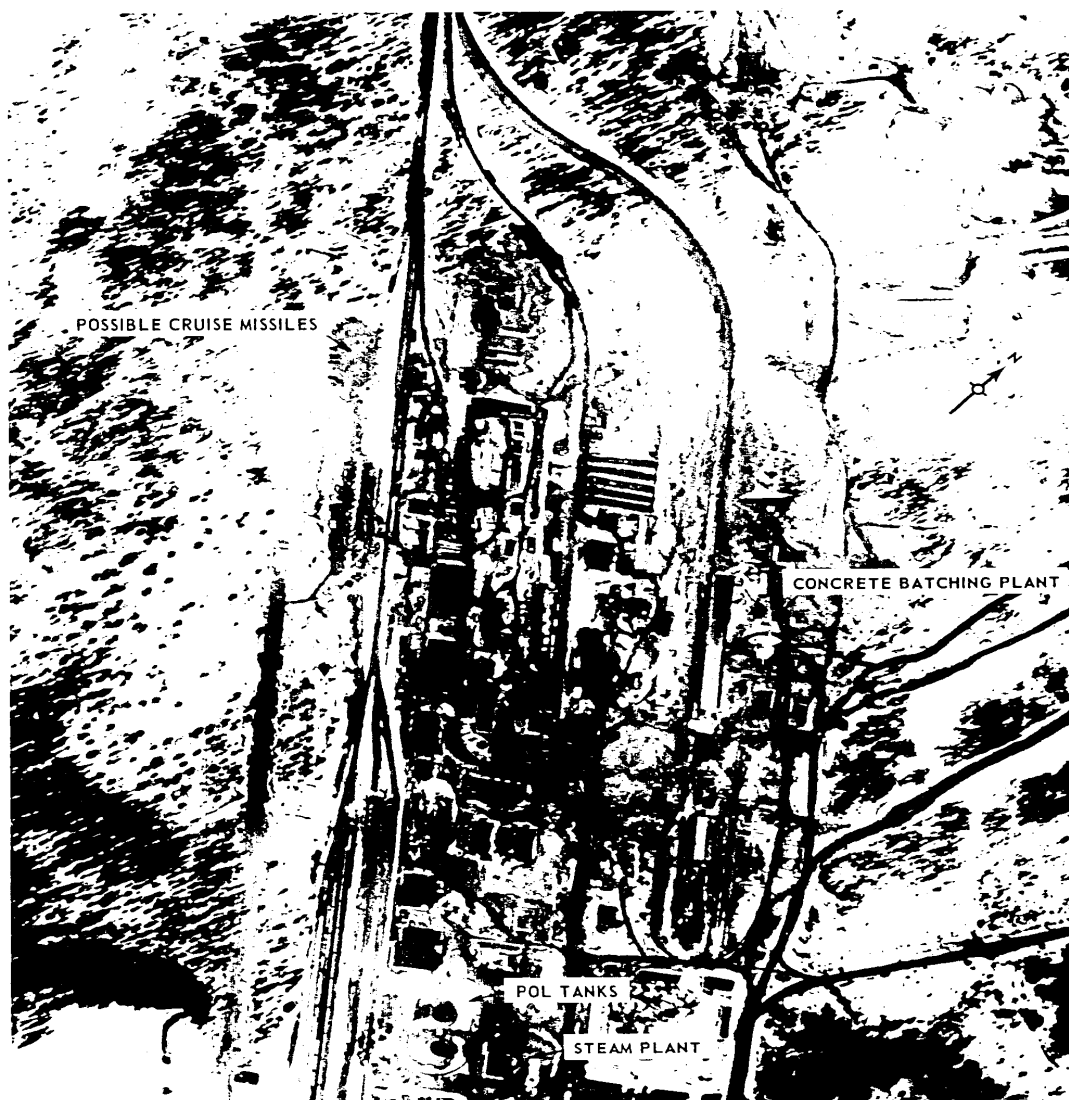
ARMY EQUIPMENT IN PROBABLE PARADE FORMATION, YEREVAN YEGVARD AIRFIELD, USSR.

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

NPIC/R-274/64  
ATTACHMENT 18



NYANDOMA SENSITIVE OPERATIONS COMPLEX, USSR.

NPIC H-5941 IS 041

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